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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME  
OF PRIME CONTRACT AWARDS FOR RDT&E, FY-80. (U)  
WASHINGTON HEADQUARTERS SERVICE (DOD) DIR FOR INFO  
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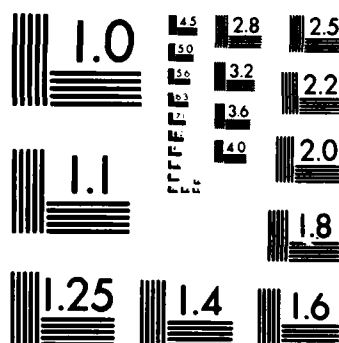
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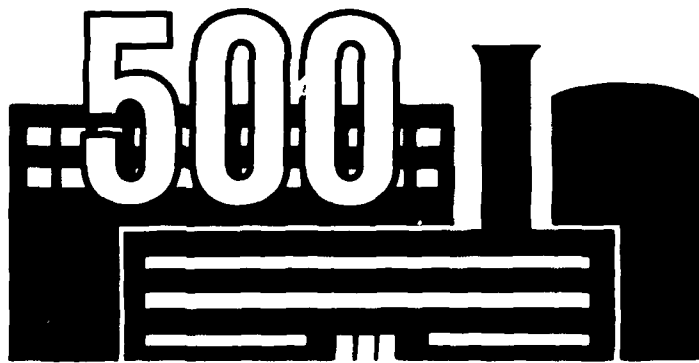
# AD-A150 220



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

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**500 CONTRACTORS**  
**RECEIVING THE LARGEST DOLLAR VOLUME**  
**OF PRIME CONTRACT AWARDS**  
**FOR RDT&E**  
**Fiscal Year 1980**



500 CONTRACTORS  
CONTRACTORS RECEIVING THE LARGEST DOLLAR  
VOLUME OF PRIME CONTRACT AWARDS FOR RDT&E  
FISCAL YEAR 1980

Issued Annually by the  
DEPARTMENT OF DEFENSE  
WASHINGTON HEADQUARTERS SERVICES  
DIRECTORATE FOR INFORMATION  
OPERATIONS AND REPORTS

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## FOREWORD

This report lists the leading 500 prime contractors according to the net value of awards over \$10,000 for research, development, test, and evaluation (RDT&E) work during fiscal year 1980. For the first time the report has data for the Civil Functions of the Army Corps of Engineers incorporated into all tables. Previous editions presented statistics on military prime contract awards only. The list is arranged in four sections: (1) U.S. Business Firms; (2) Educational and Nonprofit Institutions; (3) Foreign Contractors; and (4) U.S. Government Agencies.

Contractors in all sections are ranked in a single sequence so that only one contractor in the report is number one. The alphabetical index shows the section in which each contractor is located and his rank. The geographic locations shown are those where the work was expected to be performed. Generally, the location is a contractor's plant, laboratory, or other facility. However, if the work was scheduled to be performed at a defense activity, such as an Air Force Base, the location is the defense activity rather than the contractor's plant.

The following table shows the distribution of RDT&E awards for all contractors and for the top 500. The 1980 distribution varies only slightly from that for 1979. In 1980, the top 500 consisted of 375 U.S. firms (176 of which were small business firms); 113 educational and nonprofit institutions; 7 foreign contractors; and 5 U.S. government agencies. In fiscal year 1979, the top 500 consisted of 368 U.S. firms (186 of which were small business firms); 121 educational and nonprofit institutions; 5 foreign contractors; and 6 U.S. government agencies. There are 96 new contractors on the fiscal year 1980 list compared to 95 new contractors in 1979. Inclusion of fiscal year 1980 data for the Civil Functions, which totaled \$13 million, did not greatly affect the

TYPE OF CONTRACTOR	TOTAL RDT&E			500 CONTRACTORS RDT&E			ALL OTHER RDT&E		
	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E - TOTAL	2,026	\$9,470,362	100	500	\$9,252,904	100	1,526	\$217,458	100
BUSINESS FIRMS	1,616	8,270,446	88	375	8,090,593	88	1,241	179,853	83
Small	1,132	572,596	6	176	435,166	5	976	137,430	63
Large	464	7,697,850	82	199	7,655,427	83	265	42,423	20
EDUCATIONAL & NONPROFIT	324	1,136,467	12	113	1,104,033	12	211	32,434	15
Educational	203	632,000	7	82	629,203	7	121	22,797	10
Other Nonprofit	121	484,467	5	31	474,830	5	90	9,637	5
U.S. GOVERNMENT AGENCIES	11	27,464	*	5	26,534	*	6	930	*
FOREIGN	75	35,985	*	7	31,744	*	68	4,241	2
Nonprofit	44	8,725	*	2	6,325	*	42	2,400	1
Business Firms	31	27,260	*	5	25,419	*	26	1,841	1

\* Less than 0.5 percent.

NOTE: Totals may not add due to rounding.

distribution of RDT&E awards for fiscal year 1980. In fiscal year 1980, \$12 million or 92 percent of the Civil Functions RDT&E awards were made to one company, Harris, Fred, R. Inc., resulting in a ranking of 97.

In addition to the 500 listed contractors, there were 1,526 other contractors for whom RDT&E procurement actions in excess of \$10,000 were reported, making a total of 2,026 contractors during fiscal year 1980. The top 500 RDT&E contractors received awards totaling \$9,253 million compared to \$8,378 million in FY 1979 for an increase of \$875 million, or 10 percent. The \$9,253 million represents 97.7 percent of the \$9,470 million total prime contract awards over \$10,000 for RDT&E work in fiscal year 1980.

Of the 23 contractors with RDT&E awards of \$100 million or more in fiscal year 1980, 20 were large U.S. businesses and 3 were educational and other nonprofit institutions. These 23 contractors had a total of \$5,944 million in RDT&E awards. In fiscal year 1979, there were 19 contractors who attained the \$100 million plateau with total awards of \$5,184 million, of which 16 were large U.S. businesses and 3 were educational and other nonprofit institutions. The amount of awards for the \$100 million group showed an increase of \$760 million, or 14.7 percent, between fiscal years 1979 and 1980.

The following figures show the type of RDT&E engaged in by the contractors and the overall total for each of the programs within those types. Engineering development accounted for the majority (42.1%) of the RDT&E awards followed by advanced development (19.4%). Within the RDT&E types, the contractors with the largest value of awards were involved in the research, development, test, or evaluation of missile systems and electronic and communications equipment. In fiscal year 1980, \$5,780 million or 61.0 percent of all RDT&E awards over \$10,000 was for work connected with these programs.

TYPE	AWARDS (\$000)	PERCENT OF TOTAL
<u>RDT&amp;E - TOTAL</u>	<u>\$9,470,362</u>	<u>100.0</u>
Research	648,242	6.8
Exploratory Development	868,186	9.2
Advanced Development	1,834,335	19.4
Engineering Development	3,983,762	42.1
Operational Systems	1,101,656	11.6
Management and Support	1,034,181	10.9

Figure 1 - TOTAL BY TYPE OF RDT&E



PROGRAM	AWARDS (\$000)	PERCENT OF TOTAL
<u>RDT&amp;E - TOTAL</u>	<u>\$9,470,362</u>	<u>100.0</u>
Missile Systems	3,363,299	35.5
Electronics & Communi- cations Equipment	2,417,409	25.5
Services	1,563,334	16.5
Aircraft	1,170,868	12.4
Ships	304,984	3.2
Weapons	218,853	2.3
Ammunition	201,769	2.1
Tank-Automotive	110,950	1.2
All Other	118,896	1.3

Figure 2 - OVERALL TOTAL FOR EACH PROGRAM

INDEX OF 500 LARGEST  
PRIME CONTRACTORS FOR RESEARCH, DEVELOPMENT,  
TEST AND EVALUATION WORK  
FISCAL YEAR 1980

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
99 B	A A I CORP	241 B	B K DYNAMICS INC
362 B	A L S ELECTRONICS CORP	408 B	BALL SPDS RESEARCH CORP
280 *	ACUPEX CORP	101 N	BATTELLE MEMORIAL INSTITUTE
400 B	ADVANCED MARINE ENTERPRISES INC	222 B	BELL & HOWELL CO
347 B	ADVANCED RESEARCH & APPL CORP	174 B	BELL HALTER INC
264 B	ADVANCED TECHNOLOGY INC	496 B	BELL TECHNICAL OPERATIONS CORP
320 *	AERODYNE RESEARCH INC	45 B	BENDIX CORP
31 B	AEROJET GENFAL CORP	113 B	BENDIX FIELD ENGINEERING CORP
314 B	AEROMET INC	298 B	BFTAC CORP
288 B	AERONAUTICAL RESEARCH ASSOCIATES	48 B	BOEING AEROSPACE CO
13 N	AEROSPACE CORP	1 B	BOEING CO
191 B	AIRSEARCH MFG CO OF ARIZONA	55 B	BOEING VEPTOL CO
451 N	ALABAMA UNIVERSITY OF	82 B	BOLT BERANEK & NEWMAN INC
124 N	ALASKA UNIVERSITY OF	116 B	BOOZ ALLEN & HAMILTON INC
145 B	AMERICAN ELECTRONIC LABS INC	173 B	BOOZ ALLEN APPLIED RESEARCH INC
410 N	AMERICAN INSTITUTE FOR RESEARCH	232 N	BOSTON COLLEGE
407 B	AMPEX CORP	274 N	BOSTON UNIVERSITY
240 B	ANALYSIS & COMPUTER SYSTEMS INC	445 B	BRADFORD NATIONAL CORP
204 B	ANALYSIS & TECHNOLOGY INC	279 F	BROWN BOVEY CORP
79 *	ANALYTIC SCIENCES CORP	419 N	BROWN UNIVERSITY
134 N	ANALYTIC SERVICES INC	140 B	BRUNSWICK CORP
492 P	ANALYTICAL ASSESSMENTS CORP	73 B	BUNKER RAMO CORP
135 B	ANALYTICAL SYSTEMS ENGR CORP	175 B	BURROUGHS CORP
197 B	ANALYTICS INC	286 B	C N R INC
249 *	ANALYTIX ELECTRONICS SYSTEMS INC	380 B	C T E C
499 B	ANDRULIS RESEARCH CORP	373 B	CACI INC FEDERAL
394 B	APPLICATIONS RESEARCH CORP	295 B	CADRE CORP
142 B	APPLICON INC	395 B	CALCULON CORP
429 *	APPLIED DATA RESEARCH INC	152 N	CALIFORNIA INSTITUTE OF TECHNOLOGY
352 B	APPLIED SCIENCE ASSOCIATES INC	435 B	CALIFORNIA RESEARCH & TECHNOLOGY
164 B	ARES INC	47 N	CALIFORNIA UNIVERSITY OF
338 *	ARETE ASSOCIATES INC	91 B	CALSPAN CORP
391 *	ARGO SYSTEMS INC	89 F	CANADIAN COMMERCIAL CORP
154 B	ARINC RESEARCH CORP	304 N	CAPITOL RADIO ENGINEERING INST INC
144 N	ARIZONA UNIVERSITY OF	128 N	CARNEGIE MELLON UNIVERSITY
473 B	ARMAMENT SYSTEMS INC	491 B	CARTWRIGHT ENGINEERING INC
16 *	ARO INC	225 N	CASE WESTERN RESERVE UNIVERSITY
432 B	ASPLAND OIL INC	463 N	CATHOLIC UNIVERSITY OF AMERICA
487 B	ASSOCIATE CONSULTANTS INC	443 B	CHALCO ENGINEERING CORP
500 B	ASSURANCE TECHNOLOGY CORP	131 B	CHAMBERLAIN MFG CORP
303 *	ATLANTIC ANALYSIS CORP	34 N	CHARLES STARK DRAPER LABS INC
127 B	ATLANTIC RESEARCH CORP	32 B	CHRYSLER CORP
374 *	AUFRPACH ASSOCIATES INC	126 B	CHRYSLER DEFENSE INC
278 B	AUSTIN RESEARCH ASSOCIATES	121 B	CINCINNATI ELECTRONICS CORP
37 B	AUTOMATION INDUSTRIES INC	242 N	COLORADO STATE UNIVERSITY
489 B	AUTOMETRIC CORP	330 N	COLORADO UNIVERSITY
25 B	AVCO CORP	162 N	COLUMBIA UNIVERSITY
76 B	AVCO EVERETT RESEARCH LABORATORY	115 B	COMMAND CONTROL & COMMUNICATION
46 B	B D M CORP	148 B	COMPTON RESEARCH INC
111 B	B D M SERVICES CO	277 B	COMPUTER CORP OF AMERICA

\* B = BUSINESS FIRM  
F = FOREIGN CONTRACTOR  
N = NON PROFIT INSTITUTION

INDEX OF 500 LARGEST  
PRIME CONTRACTORS FOR RESEARCH, DEVELOPMENT,  
TEST AND EVALUATION WORK

FISCAL YEAR 1980

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
41 B	COMPUTER SCIENCES CORP	39 B	F M C CORP
351 R	COMTEL CORP	99 B	FAIRCHILD CAMERA & INSTRUMENT CORP
354 R	CONDEC CORP	85 B	FAIRCHILD INDUSTRIES INC
497 N	CONNECTICUT UNIVERSITY OF	364 B	FALCON RESEARCH & DEVELOPMENT CO
90 R	CONTROL DATA CORP	430 B	FEDERAL ELECTRIC CORP
192 N	CORNELL UNIVERSITY	372 B	FIBER MATERIALS INC
265 R	COPPING GLASS WORKS	283 B	FIRESTONE TIRE & RUBBER CO
170 B	CURTIS CORP	471 B	FIRST ANN ARBOR CORP
239 B	CUMMINS ENGINE CO INC	155 B	FLIGHT SYSTEMS INC
143 R	CURTISS WRIGHT CORP	331 N	FLORIDA STATE UNIVERSITY
69 R	CUTLER HAMMER INC	462 N	FLORIDA TECHNOLOGICAL UNIVERSITY
297 B	D B A SYSTEMS INC	317 N	FLOIDA UNIVERSITY
461 B	DATA DESIGN LABORATORIES	50 B	FORD AEROSPACE & COMMUNICATIONS
382 B	DATAPETRICS CORP	392 B	FOSTER MILLER ASSOCIATES INC
457 R	DAYRON CORP	280 B	FREQUENCY ELECTRONICS INC
84 N	DAYTON UNIVERSITY OF	61 B	FUGRO NATIONAL INC
370 R	DECISION SCIENCE APPLICATIONS INC	20 B	G T E SYLVANIA INC
221 R	DECISIONS & DESIGNS INC	431 B	GAERTNER RESEARCH INC
459 B	DEFENSE SYSTEMS INC	422 R	GAGLIARDI SYSTEMS GROUP INC
281 B	DELEX SYSTEMS INC	92 B	GARPETT CORP
361 R	DENELCOR INC	379 B	GENERAL ATOMICS CORP
425 N	DENVER UNIVERSITY OF	305 B	GENERAL DEFENSE CORP
199 R	DEVELOPMENTAL SCIENCES INC	6 B	GENERAL DYNAMICS CORP
275 B	DIGITAL COMMUNICATIONS CORP	7 B	GENERAL ELECTRIC CO
469 R	DIGITAL EQUIPMENT CORP	51 B	GENERAL MOTORS CORP
223 R	DIGITAL TECHNOLOGY INC	236 B	GENERAL OFFSHORE CORP
412 R	DIKEMOOD INDUSTRIES INC	478 B	GENERAL PHYSICS CORP
427 B	DONALDSON CO INC	81 B	GENERAL RESEARCH CORP
312 R	DOTY ASSOCIATES	416 B	GEODYNAMICS CORP
467 N	DREXEL UNIVERSITY	219 N	GEORGE WASHINGTON UNIVERSITY
299 N	DUKE UNIVERSITY	276 N	GEORGETOWN UNIVERSITY
436 B	DUPONT E I DE NEMOURS & CO.	182 N	GEORGIA INSTITUTE TECH
70 R	DYNALECTRON CORP	80 N	GEORGIA TECH RESEARCH INSTITUTE
272 R	DYNAMIC SCIENCES INC	470 B	GIBBS & COX INC
341 B	DYNAMICS RESEARCH CORP	43 B	GLOBAL ASSOCIATES
442 R	DYNATROND INC	60 B	GOODYEAR AEROSPACE CORP
229 R	DYNETICS INC	72 R	GOULD INC
142 B	E G & G INC	29 B	GRUMMAN AEROSPACE CORP
447 B	E I C INC	440 B	GRUMMAN CORP
71 B	E S L INC	147 B	H R B SINGER INC
137 B	E SYSTEMS INC	40 B	HARRIS CORP
289 B	EASTMAN KODAK CO	97 R	HARRIS FREDERIC & INC
172 B	ECO CORP	476 B	MARSCO CORP
340 B	EDUCATIONAL COMPUTER CORP	160 N	HAWAII UNIVERSITY
206 R	EFFECTS TECHNOLOGY INC	210 N	HAWAII UNIVERSITY OF
176 R	ELECTROSPACE SYSTEMS INC	454 B	HAYES INTERNATIONAL CORP
57 B	EMERSON ELECTRIC CO	103 B	HAZELTINE CORP
153 B	ENSCO INC	490 B	HELIX TECHNOLOGY CORP
149 N	ENVIRONMENTAL RSCH INST OF MICH	83 B	HENNINGSTON DURHAM RICHARDSON
315 R	ESSEX CORP	44 B	MERCULES INC

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RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
446 B	HEWLETT PACKARD CO	263 B	LITTON INDUSTRIES INC
17 B	HONEYWELL INC	52 B	LITTON SYSTEMS INC
366 B	HOPITON'S TECHNOLOGY INC	26 B	LOCKHEED CORP
448 N	HOUSTON UNIVERSITY OF	201 B	LOCKHEED ELECTRONICS CO INC
376 B	HOWARD SECURITY SERVICES INC	11 B	LOCKHEED MISSILES & SPACE CO INC
5 B	HUGHES AIRCRAFT CO	118 B	LOCKHEED SHIPBUILDING CONSTRUCTION
287 B	HUGHES RESEARCH LABORATORIES	67 B	LOGICON INC
231 N	HUMAN RESOURCES RESEARCH ORGN	195 N	LOGISTICS MANAGEMENT INSTITUTE
359 B	HYCOF INC	216 B	LORAL CORP
226 B	HYDRONAUTICS INC	366 N	LOUISIANA STATE UNIVERSITY OF
489 B	HYDROSCIENCE INC	383 B	M & S COMPUTING INC
248 B	I R T CORP	418 B	M & J INC
112 B	I T T & WESTINGHOUSE JV	144 B	MAGNAVOX CO
114 B	I T T GILFILLAN INC	59 B	MAGNAVOX GOVT & INDUSTRIAL ELEC CO
54 N	ILLINOIS INSTITUTE TECHNOLOGY	211 B	MAN TECH CORP
176 N	ILLINOIS UNIVERSITY OF	367 B	MAP INC
467 N	INDIANA UNIVERSITY	133 F	MARCONI CO LTD
437 B	INFORMATION SPECTRUM INC	150 B	MARQUARDT CO
72 N	INSTITUTE FOR DEFENSE ANALYSIS	3 B	MARTIN MARIETTA CORP
269 B	INTERMETRICS INC	169 N	MARYLAND UNIVERSITY OF
14 B	INTERNATIONAL BUSINESS MACHINE CO	15 N	MASSACHUSETTS INSTITUTE TECHNOLOGY
472 B	INTERNATIONAL COMPUTER CO	323 N	MASSACHUSETTS UNIVERSITY OF
310 B	INTERNATIONAL HARVESTER CO	355 B	MATHEMATICAL SCIENCE NORTHWEST INC
194 B	INTERNATIONAL LASER SYSTEMS INC	376 F	MATFA CO
29 B	INTERNATIONAL TELEPHONE & TEL CORP	120 B	MAXWELL LABORATORIES INC
158 B	INTERSTATE ELECTRONICS CORP	2 B	MCDONNELL DOUGLAS CORP
405 N	IOWA UNIVERSITY OF	237 B	MCMULLEN JOHN J ASSOCIATES INC
119 B	ITFC CORP	449 B	MEAD TECHNOLOGY LABORATORIES
385 B	J P B ASSOCIATES INC	389 B	MEASUREMENT CONCEPT CORP
270 B	J W K INTERNATIONAL CORP	458 B	MECHANICAL TECHNOLOGY INC
415 B	JAMES RIVER GRAPHICS INC	380 B	MERIDAN GROUP
104 B	JAYCOR	474 B	METCUT RESEARCH ASSOCIATES INC
17 N	JOHNS HOPKINS UNIVERSITY	255 B	METRIC SYSTEMS CORP
332 B	K D I PRECISION PRODUCTS INC	250 N	MIAMI UNIVERSITY OF
235 B	KAMAN AEROSPACE CORP	465 N	MICHIGAN STATE UNIVERSITY
109 B	KAMAN SCIENCES CORP	493 N	MICHIGAN TECHNOLOGICAL UNIVERSITY
495 B	KAPPA SYSTEMS INC	243 N	MICHIGAN UNIVERSITY OF
321 B	KARAGZIAN & CASE STRUCTURAL ENGRS	464 N	MIDWEST RESEARCH INSTITUTE
384 B	KENAMETAL INC	498 B	MINE SAFETY APPLIANCES CO
53 B	KENTRON HAWAII LTD	343 N	MINNESOTA UNIVERSITY OF
322 B	KERNCO INC	123 B	MISSION RESEARCH CORP
187 B	KEYCON INC	377 N	MISSOURI UNIVERSITY OF
350 B	KEYSTONE COMPUTER ASSOCS INC	21 N	MITTE CORP
289 B	KURAS ALTERMAN CORP	24 B	MOTOROLA INC
482 B	L T V CORP	139 N	NATIONAL ACADEMY OF SCIENCES
100 B	LEAR SIEGLER INC	349 N	NATIONAL CNCL SOVIET & EUROPE RESEARCH
291 N	LEHIGH UNIVERSITY	292 N	NATIONAL SCIENCE FOUNDATION
193 B	LIBFA TECHNOLOGY	444 B	NETWORK ANALYSIS CORP
196 B	LINKBIT CORP	259 N	NEW MEXICO INSTITUTE MINING & TECH
179 B	LITTLE ARTHUR D INC	188 N	NEW MEXICO STATE UNIVERSITY

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RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
151 N	NEW MEXICO UNIVERSITY OF	363 B	POWERTRONIC SYSTEMS INC
460 B	NEW TECHNOLOGY INC	253 B	PRESEARCH INC
254 N	NEW YORK POLYTECHNIC INSTITUTE	247 N	PRINCETON UNIVERSITY
267 N	NEW YORK STATE UNIV RESEARCH FOUND	475 B	PROBE SYSTEMS INC
326 N	NEW YORK UNIVERSITY	273 B	PROTOTYPE DEVELOPMENT INC
96 B	NEWPORT NEWS SHIPPLD & DRY DOCK CO	333 N	PURDUE RESEARCH FOUNDATION
207 B	NICHOLS RESEARCH CORP	214 B	QUEST RESEARCH CORP
474 B	NIELSEN ENGINEERING & RESEARCH CO	369 B	QUESTON CORP
88 P	NORDEN SYSTEMS INC	64 B	R & D ASSOCIATES
483 N	NORTH CAROLINA STATE UNIVERSITY	18 B	R C A CORP
452 N	NORTH CAROLINA UNIVERSITY OF	480 B	RADIAN INC
346 N	NORTHEASTERN UNIVERSITY	466 B	RAIL CO INC
30 B	NORTHROP CORP	327 B	RALSTON PURINA CO
233 N	NORTHWESTERN UNIVERSITY	456 B	RAMCO INC
227 B	O A O CORP	62 N	RAND CORP
157 B	O P I INC	334 B	RAYCOMM INDUSTRIES INC
339 B	OCEAN DATA SYSTEMS INC	10 B	RAYTHEON CO
424 P	OCEAN TECHNOLOGY INC	302 B	RAYTHEON SERVICE CO
357 B	OCTEK INC	261 F	REDIFON FLIGHT SIMULATION LTD
224 N	OHIO STATE UNIV RESEARCH FOUNDATION	319 N	RENSSELAER POLYTECHNIC INSTITUTE
434 N	OHIO STATE UNIVERSITY THE	357 B	RESEARCH ANALYSIS & MANAGEMENT
265 N	OKLAHOMA STATE UNIVERSITY OF	428 N	RESEARCH TRIANGLE INSTITUTE
234 N	OREGON STATE UNIVERSITY	390 N	RHODE ISLAND UNIVERSITY OF
404 B	ORINCON CORP	202 N	RIVERSIDE RESEARCH INSTITUTE
414 B	ORLANDO TECHNOLOGY INC	75 N	ROCHESTER UNIVERSITY OF
402 B	P E SYSTEMS INC	4 B	ROCKWELL INTERNATIONAL CORP
165 B	PACCAF INC	87 B	ROHR INDUSTRIES INC
308 B	PACER SYSTEMS INC	381 B	ROME RESEARCH CORP
423 B	PACIFIC ANALYSIS CORP	325 B	ROSENPLATT & SON INC
203 B	PACIFIC SIERRA RESEARCH CORP	328 F	ROYAL NORWEGIAN CNCL SCNTFC IND PS
425 B	PACIFICA TECHNOLOGY	159 F	ROYAL NORWEGIAN NAV MAT COM
345 N	PALISADES GEOPHYSICAL INSTITUTE	49 N	S R I INTERNATIONAL
391 N	PALISADES INSTITUTE	307 N	SALK INSTITUTE THE
130 B	PARSONS RALPH M CO INC	94 B	SANDERS ASSOCIATES INC
185 B	PATTERN ANALYSIS & RECOGNITION CO	171 B	SANDERS ASSOCS & NORTHROP CORP JV
95 N	PENNSYLVANIA STATE UNIVERSITY	256 B	SANGAMO WESTON INC
161 N	PENNSYLVANIA UNIVERSITY OF	208 B	SANTA BARBARA RESEARCH CENTER
234 B	PERCEPTONICS INC	230 B	SCHAFFER W J ASSOCIATES INC
93 B	PERKIN ELMER CORP	38 B	SCIENCE APPLICATIONS INC
451 B	PHOTON RESEARCH ASSOCIATES	455 B	SCIENTIFIC SYSTEMS INC
486 B	PHYSICAL DYNAMICS INC	177 B	SCOTT AVIATION SIERRA PRODUCTS INC
329 B	PHYSICAL SCIENCES CORP	246 B	SECO SYSTEMS INC
110 B	PHYSICS INTERNATIONAL CO	257 B	SEMCOR INC
290 B	PIASECT AIRCRAFT CORP	433 B	SEVILLE RESEARCH CORP
262 N	PITTSBURGH UNIVERSITY OF	484 B	SIGNAL SCIENCE INC
105 B	PLANNING RESEARCH CORP	397 B	SIGNATRON INC
212 B	PLANNING SYSTEMS INC	401 B	SIMULATION TECHNOLOGY INC
396 B	PNEUMO CORP	56 B	SINGER CO
413 B	POSTFORD RESEARCH	406 N	SMITHSONIAN INSTITUTION
167 B	POTOMAC RESEARCH INC	129 B	SOFTTECH INC

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RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
356 B	SOLAR TURBINES INTERNATIONAL	318 B	TELEPHONICS
371 B	SONALYSTS INC	306 N	TENNESSEE UNIVERSITY OF
488 N	SOUTH CAROLINA UNIVERSITY OF	268 B	TETRA TECH INC
301 N	SOUTHEASTERN CTR ELECT ENGR EDUC	228 N	TEXAS A & M RESEARCH FOUNDATION
106 N	SOUTHERN CALIFORNIA UNIVERSITY OF	27 B	TEXAS INSTRUMENTS INC
378 N	SOUTHERN RESEARCH INSTITUTE	399 N	TEXAS TECHNOLOGICAL COLLEGE
134 N	SOUTHWEST RESEARCH INSTITUTE	74 N	TEXAS UNIVERSITY OF
220 B	SPACE DATA CORP	58 B	TEXTRON INC
417 B	SPACE VECTOR CORP	33 B	THIokol CORP
163 B	SPAPTON CORP	450 B	TITANIUM METALS CORP OF AMERICA
132 B	SPEAPS ASSOCIATES INC	102 B	TRACOP INC
368 B	SPECTRA RESEARCH SYSTEMS INC	441 B	TRACOP MARINE INC
35 B	SPEFFY CORP	477 B	U O P INC
251 B	SPEFFY MARINE SYSTEMS	294 B	ULTRASYSTEMS INC
479 B	SPIRE CORP	213 B	UNIDYNAMICS PHOENIX INC
218 B	STANFORD TELECOMMUNICATIONS INC	375 B	UNIFIED INDUSTRIES INC
65 N	STANFORD UNIVERSITY	245 N	UNITED STATES COMMERCE DEPT
181 B	STEARNS POGEP INC	77 N	UNITED STATES NATL AERO SPACE AGY
348 B	STEIN ASSOCIATES INC	9 B	UNITED TECHNOLOGIES CORP
205 B	STENCCEL AERO ENGINEERING CORP	398 B	UNIVERSAL ENERGY SYSTEMS INC
203 N	STEVENS INSTITUTE OF TECHNOLOGY	168 N	UTAH STATE UNIVERSITY
19 B	SUMMA CORP	360 N	UTAH UNIVERSITY OF
316 P	SUMMIT RESEARCH CORP	260 B	V S E CORP
285 B	SUN CO INC	387 B	VALIDITY CORP
709 B	SYNECTICS CORP	166 B	VARIAN ASSOCIATES
244 B	SYNOPTIC SYSTEMS CORP	198 P	VARO INC
421 N	SYRACUSE RESEARCH CORP	178 B	VEDA INC
282 N	SYRACUSE UNIVERSITY	439 P	VERAC INC
295 N	SYRACUSE UNIVERSITY RESEARCH CORP	271 N	VIRGINIA POLYTECHNIC INSTITUTE
13 P	SYSTEM DEVELOPMENT CORP	358 N	VIRGINIA UNIVERSITY OF
122 B	SYSTEM PLANNING CORP	411 B	VISIODYNE INC
324 B	SYSTEMATICS GENERAL CORP	23 B	VOUGHT CORP
215 B	SYSTEMS & APPLIED SCIENCES CORP	311 B	WAGNER DANIEL M ASSOCIATES INC
485 P	SYSTEMS ARCHITECTS INC	403 N	WASHINGTON BOOKER T FOUNDATION
189 P	SYSTEMS CONSULTANTS INC	388 N	WASHINGTON UNIVERSITY
146 B	SYSTEMS CONTROL INC	108 N	WASHINGTON UNIVERSITY OF
335 B	SYSTEMS ENGINEERING LABORATORIES	313 B	WEIDLINGER ASSOCIATES CONSULT ENGR
420 B	SYSTEMS PLANNING & ANALYSIS INC	258 N	WENTWORTH INSTITUTE
85 B	SYSTEMS RESEARCH LABORATORIES INC	68 B	WESTERN ELECTRIC CO INC
141 B	SYSTEMS SCIENCE & SOFTWARE	156 B	WESTERN GEAR CORP
180 B	T R W COLORADO ELECTRONICS INC	494 B	WESTERN UNION TELEGRAPH CO
8 B	T R W INC	22 B	WESTINGHOUSE ELECTRIC CORP
337 B	TECHNITROL INC	183 B	WHITTAKER CORP
252 B	TECHNOLOGY INC	42 B	WILLIAMS RESEARCH CORP
107 B	TECHNOLOGY SERVICE CORP	190 N	WISCONSIN UNIVERSITY OF
481 B	TELECOM SYSTEMS INC	125 N	WOODS HOLE OCEANOGRAPHIC INST
66 B	TELEDYNE BROWN ENGINEERING	365 B	XEROX CORP
117 B	TELEDYNE C & E	217 B	XEROX ELECTRO OPTICAL SYSTEMS INC
344 B	TELEDYNE INC	244 B	XONICS INC
36 B	TELEDYNE INDUSTRIES INC	186 N	YALE UNIVERSITY

\* B = BUSINESS FIRM  
F = FOREIGN CONTRACTOR  
N = NON PROFIT INSTITUTION

**SECTION I**

**U.S. BUSINESS FIRMS**

SECTION I - U. S. BUSINESS FIRMS  
FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
1	BOFING CO	762,516 *	7	GENERAL ELECTRIC CO	312,629 *
	MUNTSVILLE ALABAMA	5,290		MUNTSVILLE ALABAMA	220
	VANDENBERG AFB CALIFORNIA	78		WILLIAMS AFB ARIZONA	121
	WICHITA KANSAS	514,362		SANTA BARBARA CALIFORNIA	2,810
	KIRTLAND AFB NEW MEXICO	241		SUNNYVALE CALIFORNIA	2,492
	HOUSTON TEXAS	291		WASHINGTON DC	44
	EVERETT WASHINGTON	3,582		DAYTONA BEACH FLORIDA	767
	KFMT WASHINGTON	114,289		BELTSVILLE MARYLAND	8,365
	KYPORT WASHINGTON	1,334		WANSCOM AFB MASS	80
	SEATTLE WASHINGTON	343,137		LYNN MASS	1,686
2	MC DONNELL DOUGLAS CORP	620,233 *		PITTSFIELD MASS	14,955
	MUNTINGTON REA CALIFORNIA	86,592		WEST LYNN MASS	4,843
	LONG BEACH CALIFORNIA	2,226		WILMINGTON MASS	30,743
	VITUSVILLE FLORIDA	483-		BINGHAMTON NEW YORK	1,747
	BERKELEY MISSOURI	184		JOHNSON CITY NEW YORK	1,538
	CLARKSPURG MISSOURI	18		NORTH SYRACUSE NEW YORK	1,973
	ST CHARLES MISSOURI	179		SCHENECTADY NEW YORK	74
	ST LOUIS MISSOURI	529,476		SYRACUSE NEW YORK	59,115
	KIRTLAND AFB NEW MEXICO	2,121		UTICA NEW YORK	47,926
3	MARTIN MARIETTA CORP	518,894 *		CINCINNATI OHIO	14,448
	VANDENBERG AFB COLORADO	54,868		EVENDALE OHIO	39,499
	DENVER COLORADO	162,991		PA	25,716
	WATERTON COLORADO	3,473		EPIC PA	90
	OCALA FLORIDA	49		KING OF PRUSSIA PA	15,345
	OPLANDO FLORIDA	288,668		PHILADELPHIA PA	19,243
	BALTIMORE MARYLAND	486		VALLEY FORGE PA	945
	WAKEFIELD MASS	9,266		BURLINGTON VERMONT	16,555
	WOKA WYOM	27-		ARLINGTON VIRGINIA	1,289
4	ROCKWELL INTERNATIONAL CORP	502,506 *	8	T R W INC	213,609 *
	ALAMEDA CALIFORNIA	108		MUNTSVILLE ALABAMA	1,016
	AMARIN CALIFORNIA	132,796		NEWBURY PARK CALIFORNIA	8,459
	CANOGA PARK CALIFORNIA	74,725		NORTON AFB CALIFORNIA	58,913
	CONNEY CALIFORNIA	51,546		REDONDO BEACH CALIFORNIA	117,115
	EL SEGUNDO CALIFORNIA	1,899		SAN CLEMENTE CALIFORNIA	380
	LOS ANGELES CALIFORNIA	59,400		SAN JUAN CAPIS CALIFORNIA	2,242
	WFOPT BEACH CALIFORNIA	7,694		EGLIN AFB FLORIDA	70
	SANTA SUSANA CALIFORNIA	513		ALBUQUEFQUE NEW MEXICO	2,015
	SEAL BEACH CALIFORNIA	68,839		CLEVELAND OHIO	333
	THOUSAND OAKS CALIFORNIA	8,405		PHILADELPHIA PA	419
	FELTN AFB FLORIDA	38		LANGLEY AFB VIRGINIA	208
	CEGAR PAPICS IOWA	39,453		MCLEAN VIRGINIA	21,839
	COLUMBUS OHIO	88,573	9	UNITED TECHNOLOGIES CORP	203,175 *
	WRIGHT PATTERS OHIO	89		SAN JOSE CALIFORNIA	13-
	TULSA OKLAHOMA	23		SUNNYVALE CALIFORNIA	5,732
	ADDISON TEXAS	158-		EAST HARTFORD CONN	8,106
	DALLAS TEXAS	2,748		FARMINGTON CONN	178
	RICHARDSON TEXAS	3,433		HARTFORD CONN	98
5	HUGHES AIRCRAFT CO	493,272 *		NORFOLK CONN	37
	TUCSON ARIZONA	16,232		NORWALK CONN	18,145
	CANOGA PARK CALIFORNIA	154,816		SOUTH WINDSOR CONN	3,768
	CARLSBAD CALIFORNIA	241		STRATFORD CONN	77,563
	CULVER CITY CALIFORNIA	98,784		WINDSOR LOCKS CONN	1,218
	EL SEGUNDO CALIFORNIA	72,732		WEST PALM BEAC FLORIDA	85,917
	FULLERTON CALIFORNIA	131,286		KIRTLAND AFB NEW MEXICO	169
	IRVINE CALIFORNIA	237		MELVILLE NEW YORK	1,324
	LONG BEACH CALIFORNIA	58		FORT WASHINGTON PA	933
	LOS ANGELES CALIFORNIA	7,258	18	RAYTHEON CO	197,479 *
	OLTH CALIFORNIA	9,388		BEALE AFB CALIFORNIA	565
	WFOPT BEACH CALIFORNIA	399		GOLTA CALIFORNIA	7,441
	OCEANIDE CALIFORNIA	57-		ANDOVER MASS	8,739
	YORRANCE CALIFORNIA	9,884		BEDFORD MASS	117,369
	DALLAS TEXAS	1,898		LEXINGTON MASS	613
6	SPENCER DYNAMICS CORP	339,628 *		LOWELL MASS	6,441
	PHOENIX CALIFORNIA	118,283		NORTHFORD MASS	29
	SAN DIEGO CALIFORNIA	137,845		SUDBURY MASS	26,488
	VANDENBERG AFB CALIFORNIA	13,361		MALTHAM MASS	3,841
	GRYTON CONN	54,986		MAYLAND MASS	19,795
	KIRTLAND AFB NEW MEXICO	2,780		WEST ANDOVER MASS	38-
	FORT WORTH TEXAS	17,413		EAST PROVIDENC RI	88
				PORTSMOUTH RI	12,356
				ARLINGTON VIRGINIA	283
				MCLEAN VIRGINIA	266

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS



**SECTION I - U. S. BUSINESS FIRMS**  
FISCAL YEAR 1960

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
11	LOCKHEED MISSILES & SPACE CO INC MUNTSVILLE ALABAMA PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA ALBUQUERQUE NEW MEXICO	171,963 * 3,490 11,030 156,702 233	22	WESTINGHOUSE ELECTRIC CORP SUNNYVALE CALIFORNIA ANNAPOLIS MARYLAND BALTIMORE MARYLAND MUNT VALLEY MARYLAND LIMA OHIO ORRVILLE OHIO WRIGHT PATTERS OHIO CHESWICK PA MADISON PA PHILADELPHIA PA PITTSBURGH PA WEST HIFFLIN PA ARLINGTON VIRGINIA	109,656 * 3,720 2,645 20,183 6,290 971 95 330 690 45 97 3,591 63,711 88
14	INTERPATIONAL BUSINESS MACHINE CO GERMANY DOTHAN ALABAMA MUNTSVILLE ALABAMA SAN JOSE CALIFORNIA WESTLAKE VILLA CALIFORNIA GAITHERSBURG MARYLAND OSWEGO NEW YORK OWEGO NEW YORK YORKTOWN HGTS NEW YORK HOUSTON TEXAS ARLINGTON VIRGINIA MANASSAS VIRGINIA	150,104 * 333 10 1,923 539 5,410 19,461 470 85,516 3,677 979 4,310 35,442	23	VOUGHT CORP HONOLULU CITY HAWAII STERLING HEIGHTS MICHIGAN DALLAS TEXAS GRAND PRAIRIE TEXAS	106,436 * 51 107 106,630 40
16	ARO INC ARNOLD EDC TENNESSEE	144,809 * 144,809	24	MOTOROLA INC SCOTTSDALE ARIZONA TEMPE ARIZONA AUSTIN TEXAS	80,769 * 40,259 40,482 20
17	MONEYMELL INC FRANCE CHINA LAKE CALIFORNIA SAN DIEGO CALIFORNIA WEST COVINA CALIFORNIA DENVER COLORADO ST PETERSBURG FLORIDA ANNAPOLIS MARYLAND FRAMINGHAM MASS LEXINGTON MASS BLOOMINGTON MINNESOTA MCKINNS MINNESOTA MINNEAPOLIS MINNESOTA NEW BRIGHTON MINNESOTA ST LOUIS PARK MINNESOTA EATONTOWN NEW JERSEY NEW SPRENSBURY NEW JERSEY HOPKINSON PA SEATTLE WASHINGTON	132,206 * 805 290 182 1,582 23 31,710 1,296 102 9,020 1,705 41,226 16,777 14,306 3,687 195 956 171 8,157	25	AVCO CORP STRATFORD CONN EVERETT MASS LOWELL MASS WILMINGTON MASS	86,911 * 7,392 3,230 644 75,637
18	R C A CORP T T PAC IS BURLINGTON MASS CAMDEN NEW JERSEY CHERRY HILL NEW JERSEY HIGHTSTOWN NEW JERSEY MOORESTOWN NEW JERSEY PRINCETON NEW JERSEY SOMERVILLE NEW JERSEY WHITE SANDS MS NEW MEXICO WRIGHT PATTERS OHIO SPRINGFIELD VIRGINIA	121,556 * 11,379 20,532 14,129 97 7,106 53,910 1,556 361 462 110 3,906	26	LOCKHEED CORP BURBANK CALIFORNIA PALO ALTO CALIFORNIA SAUGUS CALIFORNIA SUNNYVALE CALIFORNIA DOBBS AFB GEORGIA MARIETTA GEORGIA PLAINFIELD NEW JERSEY MILL AFB UTAH	85,098 * 17,510 399 160 49,205 15- 17,592 80 87
19	SUNMA CORP CHULFO CITY CALIFORNIA	119,437 * 119,437	27	TEXAS INSTRUMENTS INC RIDGECREST CALIFORNIA EGLIN AFB FLORIDA FORT KNOX KENTUCKY AUSTIN TEXAS DALLAS TEXAS HOUSTON TEXAS LEWISVILLE TEXAS	81,054 * 416 65 61 44 71,700 10 9,470
20	G T E SYLVANIA INC T T PAC IS FORT MUACHUCA ARIZONA ANAHIM CALIFORNIA LOS ANGELES CALIFORNIA MOUNTAIN VIEW CALIFORNIA NEEDHAM MASS NEEDHAM HEIGHTS MASS WHITE SANDS MS NEW MEXICO CLARK LAKE WISCONSIN	111,596 * 10,833 784 212 2,857 19,756 2,229 75,085 95 625	28	INTERPATIONAL TELEPHONE & TEL CORP VAN NUYS CALIFORNIA FORT WAYNE INDIANA NUTLEY NEW JERSEY PARAMUS NEW JERSEY ROANOKE VIRGINIA	70,492 * 636 5,441 70,654 215 1,546
29	GRUMMAN AEROSPACE CORP BETHPAGE NEW YORK	69,015 * 69,015	30	NORTHROP CORP MUNTSVILLE ALABAMA ANAHIM CALIFORNIA MANTHORNE CALIFORNIA NEWBURY PARK CALIFORNIA PALOS VERDES E CALIFORNIA SAN DIEGO CALIFORNIA DES PLAINES ILLINOIS ROLLING MEADOW ILLINOIS NORWOOD MASS ARLINGTON VIRGINIA	60,996 * 1,545 5,741 43,650 1,300 1,233 40 501 4,640 8,665 1,495

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS

## SECTION I - U. S. BUSINESS FIRMS

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FISCAL YEAR 1960

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
31	AEROJET GENERAL CORP	68,956 *		SCIENCE APPLICATIONS INC	
	AZUSA CALIFORNIA	11,563		SAN DIEGO CALIFORNIA	448
	DOWNNEY CALIFORNIA	6,782		SANTA ANA CALIFORNIA	138
	PHILLERTON CALIFORNIA	1,823		SUNNYVALE CALIFORNIA	11
	MTWAS CALIFORNIA	555		DENVER COLORADO	29
	SACRAMENTO CALIFORNIA	41,713		WASHINGTON DC	871
	SAN DIEGO CALIFORNIA	4,180		FORT WALTON BE FLORIDA	576
	PANAMA CITY FLORIDA	2,580		ORLANDO FLORIDA	1,303
32	CHRYSLER CORP	66,629 *		PALM BEACH GAR FLORIDA	124
	CANADA	243		STUART FLORIDA	276
	MUNTSVILLE ALABAMA	874		ATLANTA GEORGIA	554
	CULVER CITY CALIFORNIA	14,872		OAK BROOK ILLINOIS	14
	NEW ORLEANS LOUISIANA	2,025		SEL AIR MARYLAND	51
	CLINELL LOUISIANA	130		SEDFORD MASS	71
	NORTHAMPTON MASS	353		ANN ARBOR MICHIGAN	215
	CFNYER LINE MICHIGAN	12,932		LAS VEGAS NEVADA	116
	DETROIT MICHIGAN	44		MERCURY NEVADA	319
	STERLING MFGM MICHIGAN	32,937		ALBUQUERQUE NEW MEXICO	1,905
	LITTLE FALLS NEW JERSEY	2,741		DAYTON OHIO	317
	LIMA OHIO	36		WRIGHT PATTERS OHIO	710
33	THOMAS CORP	57,688 *		WAYNE PA	406
	MUNTSVILLE ALABAMA	9,247		ARLINGTON VIRGINIA	1,116
	ELKTON MARYLAND	2,105		MCLEAN VIRGINIA	8,236
	BRIGHAM CITY UTAH	46,256		NORFOLK VIRGINIA	98
35	SPEERY CORP	51,284 *	39	F M C CORP	47,754 *
	MUNTSVILLE ALABAMA	2,756		SAN JOSE CALIFORNIA	44,625
	PHOENIX ARIZONA	4,297		SANTA CLARA CALIFORNIA	991
	PENICIA CALIFORNIA	89		FRIDLEY MINNESOTA	269
	SAN DIEGO CALIFORNIA	1,269		MINNEAPOLIS MINNESOTA	1,869
	VALLEJO CALIFORNIA	2,731	40	MARRIS CORP	43,770 *
	CLEARWATER FLORIDA	1,577		FORT WALTON BE FLORIDA	777
	SUDSBURY MASS	581		MELBOURNE FLORIDA	10,379
	EGAN MINNESOTA	40		PALM BAY FLORIDA	32,280
	MINNEAPOLIS MINNESOTA	220		PATRICK AFB FLORIDA	41
	ST PAUL MINNESOTA	6,630		ANN ARBOR MICHIGAN	51
	WHITE SANDS MS NEW MEXICO	974		ROCHESTER NEW YORK	372
	GREAT NECK NEW YORK	21,206	41	COMPUTER SCIENCES CORP	38,408 *
	LONG ISLAND CI NEW YORK	185		MUNTSVILLE ALABAMA	5,212
	SPROCKET NEW YORK	99		PLDONDO BEACH CALIFORNIA	1,921
	WORMINSTER PA	2,288		SAN DIEGO CALIFORNIA	2,636
	SALT LAKE CITY UTAH	11		FORT WALTON BE FLORIDA	527
	ARLINGTON VIRGINIA	38		ORLANDO FLORIDA	352
	CHARLOTTESVILLE VIRGINIA	425		SILVER SPRING MARYLAND	20
	ORHOLPEN VIRGINIA	548		SEDFORD MASS	892
	FAIRFAX VIRGINIA	1,924		FORT MONMOUTH NEW JERSEY	1,114
	PESTON VIRGINIA	3,418		MOORESTOWN NEW JERSEY	13,413
36	TELETYPE INDUSTRIES INC	49,989 *		ALBUQUERQUE NEW MEXICO	487
	MUNTSVILLE ALABAMA	29		KIRTLAND AFB NEW MEXICO	88
	COSTA MESA CALIFORNIA	493		FALL CHURCH VIRGINIA	11,746
	SAN DIEGO CALIFORNIA	29,619	42	MT. LAKE RESEARCH CORP	37,461 *
	MUSKEGON MICHIGAN	14,810		ROSLER LAKE MICHIGAN	37,461
	WHITE SANDS MS NEW MEXICO	1,748	43	GLOBAL ASSOCIATES	36,745 *
	TOLFOO OHIO	2,257		T T PAC IS	36,745
	CARLAND TEXAS	1,340	44	MOCHLES INC	35,783 *
	HILL AFB UTAH	73		EGLIN AFB FLORIDA	324
	ALEXANDRIA VIRGINIA	624		FORT EWING NEW YORK	45
37	AUTOMATION INDUSTRIES INC	48,990 *		MCCREGGOS TEXAS	1,232
	EGLIN AFB FLORIDA	21,253		BOCCMUS UTAH	178
	FORT WALTON BE FLORIDA	388		WAGNA UTAH	29,624
	ORLANDO FLORIDA	92		ROCKET CENTER WVA	4,588
	SILVER SPRING MARYLAND	27,273	45	BENDIS CORP	32,476 *
38	SCIENCE APPLICATIONS INC	48,792 *		LOS ANGELES CALIFORNIA	499
	MUNTSVILLE ALABAMA	6,736		NORTH HOLLYWOOD CALIFORNIA	3,531
	YUMA ARIZONA	188		SYLMAR CALIFORNIA	120
	EL SEGUNDO CALIFORNIA	1,319		FORT LAUDERDAL FLORIDA	141
	TOVINE CALIFORNIA	647		WISHAWA INDIANA	92
	LA JOLLA CALIFORNIA	21,361		DAVENPORT IOWA	143
	LOS ANGELES CALIFORNIA	225			
	PLEASANTON CALIFORNIA	44			

\* = MINIMUM AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS  
FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
	RFNPIV CORP			TEXTRON INC	
	BALTIMORE MARYLAND	15,859		NEW ORLEANS LOUISIANA	6,099
	TOWSON MARYLAND	11,811		BUFFALO NEW YORK	4,269
	ANN ARBOR MICHIGAN	68		WHEATFLO NEW YORK	4,196
	SOUTHFIELD MICHIGAN	66		FORT WORTH TEXAS	3,322
	EATONTOWN NEW JERSEY	27			
	TEYEPORO NEW JERSEY	70	59	MAGNAVOX GOVT & INDUSTRIAL ELEC CO	20,104 *
	COLUMBIA SCAR	49		GERMANY	21
				TORRANCE CALIFORNIA	15,591
46	B D H CORP	31,283 *		FORT WAYNE INDIANA	3,680
	MUNTSVILLE ALABAMA	980		MANNAH NEW JERSEY	422
	ALBUQUERQUE NEW MEXICO	8,070		MONTVALE NEW JERSEY	390
	KIRTLAND AFB NEW MEXICO	1,618			
	WHITE SANDS MS NEW MEXICO	398	60	GOODYEAR AEROSPACE CORP	19,876 *
	WRIGHT PATTERS OHIO	133		LITCHFIELD PAR ARIZONA	7,239
	MCLEAN VIRGINIA	19,957		SAN FRANCISCO CALIFORNIA	72
	NORFOLK VIRGINIA	105		FORT WAYNE INDIANA	32
	VIENNA VIRGINIA	22		AKRON OHIO	12,468
				FORT BELVOIR VIRGINIA	65
48	ROETNG AEROSPACE CO	29,549 *			
	MUNTSVILLE ALABAMA	112	61	FUGRO NATIONAL INC	19,260 *
	SUNNYVALE CALIFORNIA	2,650		LONG BEACH CALIFORNIA	19,260
	HOUSTON TEXAS	287			
	KENT WASHINGTON	309	63	SYSTEM DEVELOPMENT CORP	18,424 *
	SEATTLE WASHINGTON	26,191		MUNTSVILLE ALABAMA	4,647
				HOFFETT FIELD CALIFORNIA	1,045
50	FORD AEROSPACE & COMMUNICATIONS	27,770 *		SANTA MONICA CALIFORNIA	3,814
	IRVINE CALIFORNIA	1,318		SUNNYVALE CALIFORNIA	4,109
	NEWPORT BEACH CALIFORNIA	15,919		ORLANDO FLORIDA	56
	PALO ALTO CALIFORNIA	9,046		EATONTOWN NEW JERSEY	2,165
	SUNNYVALE CALIFORNIA	1,687		FORT MONMOUTH NEW JERSEY	398
				WEST LONG BRAN NEW JERSEY	245
51	GENERAL MOTORS CORP	27,153 *		DAYTON OHIO	754
	GOLFTA CALIFORNIA	5,069		FORT SILL OKLAHOMA	17
	INDIANAPOLIS INDIANA	21,799		MCLEAN VIRGINIA	1,680
	SPEEDWAY INDIANA	285		NORFOLK VIRGINIA	94
52	LYTTON SYSTEMS INC	27,819 *	64	R & D ASSOCIATES	18,422 *
	GERMANY	51		LOS ANGELES CALIFORNIA	1,963
	SAN CARLOS CALIFORNIA	1,449		MARINA DEL FEY CALIFORNIA	12,946
	SUNNYVALE CALIFORNIA	90		KIRTLAND AFB NEW MEXICO	2,596
	VAN NUYS CALIFORNIA	14,490		ARLINGTON VIRGINIA	917
	WOODLAND HILLS CALIFORNIA	2,580			
	COLLEGE PARK MARYLAND	1,941	66	TELEDYNE BROWN ENGINEERING	17,982 *
	MORRIS PLAINS NEW JERSEY	173		MUNTSVILLE ALABAMA	16,732
	MELVILLE NEW YORK	6,245		COSTA MESA CALIFORNIA	778
				FORT WALTON BE FLORIDA	472
53	KENTRON HAWAII LTD	26,729 *			
	EDWARDS AFB T Y PAC IS	15,753	67	LOGICON INC	17,930 *
	CALIFORNIA	18,976		SAN DIEGO CALIFORNIA	3,339
				SAN PEDRO CALIFORNIA	6,220
55	WEING VERTOL CO	25,909 *		TORRANCE CALIFORNIA	978
	PHILADELPHIA PA	17,437		VILLEJO CALIFORNIA	1,595
	RINLEY PARK PA	8,472		LANHAM MARYLAND	999
				MANSOM AFB MASS	236
56	SINGER CO	25,698 *		LEXINGTON MASS	1,212
	LUKE AFB ARIZONA	915		MOORESTOWN NEW JERSEY	10
	WILLIAMS AFB ARIZONA	938		WRIGHT PATTERS OHIO	3,349
	GLENTALE CALIFORNIA	13,785			
	SUNNYVALE CALIFORNIA	180	68	WESTERN ELECTRIC CO INC	17,785 *
	SILVER SPRING MARYLAND	1,564		WHIPPANY NEW JERSEY	11,283
	LITTLE FALLS NEW JERSEY	2,904		GREENSBORO NCAR	6,582
	MOYNE NEW JERSEY	490			
	PINGHAMTON NEW YORK	4,794	69	CUTLER HANMER INC	17,173 *
	STATE COLLEGE PA	288		DEER PARK NEW YORK	16,746
				FARMINGDALE NEW YORK	135
57	EMERSON ELECTRIC CO	24,735 *		MELVILLE NEW YORK	292
	ST LOUIS MISSOURI	24,735			
			70	DYNALECTRON CORP	17,850 *
59	TEXTRON INC	21,293 *		HOLLAMAN AFB NEW MEXICO	4,945
	RELMONT CALIFORNIA	170		KIRTLAND AFB NEW MEXICO	11,449
	RELMONT CALIFORNIA	26		WRIGHT PATTERS OHIO	656
	CHESWIRE PENN	110			
	ERLIN AFB FLORIDA	601			
	PANAMA CITY FLORIDA	2,580			

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS  
FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
71	P & L INC SUNNYVALE CALIFORNIA	16,544 * 368 16,176		CONTROL DATA CORP ARLINGTON VIRGINIA	32
72	GOULD INC OFFICE BUILDING WASHINGTON ELIZABETH NEW JERSEY CLEVELAND OHIO WRIGHT PATTERS OHIO	16,367 * 19 289 12,829 3,186 44	91	CALSPAN CORP WHITE SANDS MS NEW MEXICO BUFFALO NEW YORK WRIGHT PATTERS OHIO	12,834 * 410 8,747 3,677
73	QUINCY BANCORP WYSLAKE VILLA CALIFORNIA ERLIN AFB FLORIDA GRIFFISS AFB NEW YORK LANGLEY AFB VIRGINIA	15,869 * 14,381 258 1,163 75	92	GARRETT CORP PHOENIX ARIZONA LOS ANGELES CALIFORNIA Torrance CALIFORNIA MELMAR NEW JERSEY WALL TOWNSHIP NEW JERSEY	12,763 * 6,394 57 6,888 189 35
76	AVCO EVERETT RESEARCH LABORATORY MAUI HAWAII EVERETT MASS	15,477 * 2,175 13,302	93	PERKIN ELMER CORP POMONA CALIFORNIA SANTA ANA CALIFORNIA DANBURY CONN ROCKFORD CONN RIDGEFIELD CONN WILTON CONN GAITHERSBURG MARYLAND SILVER SPRING MARYLAND KIRTLAND AFB NEW MEXICO	12,658 * 924 27 2,146 2,428 45 7,889 13 41 25
79	ANALYTIC SCIENCES CORP DAYTON OHIO PERDUE VIRGINIA ARLINGTON VIRGINIA MCLEAN VIRGINIA	14,767 * 22 14,251 388 114			
81	GENERAL RESEARCH CORP HUNTSVILLE ALABAMA SANTA BARBARA CALIFORNIA WASHINGTON DC FORT WALTON BE FLORIDA MCLEAN VIRGINIA	14,644 * 2,312 9,195 97 681 2,239	94	SANDERS ASSOCIATES INC MANCHESTER NH MERRIMACK NH NASHUA NH	12,481 * 588 3,676 8,217
82	BOLT BERANEK & NEWMAN INC CANOGA PARK CALIFORNIA SAN DIEGO CALIFORNIA CAMBRIDGE MASS ARLINGTON VIRGINIA	14,373 * 118 136 13,966 559	96	NEWPORT NEWS SHIPBLO & DRY DOCK CO NEWPORT NEWS VIRGINIA	12,123 * 12,123
83	MENNINGTON DURHAM RICHARDSON SANTA BARBARA CALIFORNIA	13,888 * 13,888	97	HARRIS FREDERIC R INC WOODBRIIDGE NEW JERSEY	12,079 * 12,079
85	FAIRCHILD INDUSTRIES INC MANHATTAN BEAR CALIFORNIA GERMANTOWN MARYLAND FARMINGDALE NEW YORK SYOSSET NEW YORK	13,729 * 75 2,236 11,388 118	98	A A I CORP ABERDEEN PROV MARYLAND BALTIMORE MARYLAND COCKEYSVILLE MARYLAND	11,944 * 318 1,987 9,639
86	SYSTEMS RESEARCH LABORATORIES INC EDWARDS AFB CALIFORNIA GRIFFISS AFB NEW YORK DAYTON OHIO WINDHAM OHIO WRIGHT PATTERS OHIO HOOKS AFB TEXAS NEWPORT NEWS VIRGINIA	13,678 * 44 445 2,969 35 9,888 202 84	99	FAIRCHILD CAMERA & INSTRUMENT CORP MOUNTAIN VIEW CALIFORNIA PALO ALTO CALIFORNIA SYOSSET NEW YORK MORSHAM PA	11,786 * 147 99 3,874 7,666
87	ROMP INDUSTRIES INC CULA VISTA CALIFORNIA MOUNTAIN VIEW CALIFORNIA SAN DIEGO CALIFORNIA	13,578 * 13,485 88 13	100	LEAR SIEGLER INC SANTA MONICA CALIFORNIA EGLIN AFB FLORIDA GRAND RAPIDS MICHIGAN MAPLE HEIGHTS OHIO	11,737 * 124 795 10,726 92
88	NORTON SYSTEMS INC NORWALK CONN MELVILLE NEW YORK	13,455 * 14,865 630	102	TRACOR INC PORT EVERGLADE FLORIDA ROCKVILLE MARYLAND AUSTIN TEXAS ARLINGTON VIRGINIA	11,260 * 88 5,627 5,399 154
90	CONTROL DATA CORP HUNTSVILLE ALABAMA MONTPELIER CALIFORNIA SAN DIEGO CALIFORNIA MINNEAPOLIS MINNESOTA PORT MONMOUTH NEW JERSEY ALEXANDRIA VIRGINIA	13,128 * 1,788 72 65 660 9,772 518 389	103	MATTELINE CORP BRAINTREE MASS GREENLAWN NEW YORK SMITHTOWN NEW YORK	10,612 * 868 9,620 124
			104	JAYCOR DEL MAR CALIFORNIA WASHINGTON DC BEDFORD MASS ALBUQUERQUE NEW MEXICO ALEXANDRIA VIRGINIA	10,594 * 7,278 457 30 51 2,688

\* = WITHIN SPONSOR (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS

## SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
105	PLANNING RESEARCH CORP GERMANY CAMP PENDLETON CALIFORNIA WASHINGTON DC PENNFOOD MASS ROSTON MASS OFFUTT AFB NEBRASKA FORT MONMOUTH NEW JERSEY WRIGHT PATTERS OHIO BALA CYNHYD PA MCLFAN VIRGINIA NOFFOLK VIRGINIA	10,488 * 378 1,487 45 158 723 2,613 1,232 1,688 958 1,187 187	122	SYSTEM PLANNING CORP MUNTSVILLE ALABAMA ARLINGTON VIRGINIA	8,496 * 151 8,345
107	TECHNOLOGY SERVICE CORP SANTA MONICA CALIFORNIA SILVER SPRING MARYLAND	10,235 * 9,765 478	123	MISSION RESEARCH CORP LA JOLLA CALIFORNIA SAN DIEGO CALIFORNIA SANTA ANA CALIFORNIA SANTA BARBARA CALIFORNIA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO ALEXANDRIA VIRGINIA	8,167 * 415 528 34 5,811 531 772 76
109	KAMAN SCIENCES CORP TWENTYNINE PAL CALIFORNIA COLORADO SPGS COLORADO FORT PILEY KANSAS BURLINGTON MASS	9,823 * 258 7,588 387 1,758	126	CHRYSLER DEFENSE INC CENTER LINE MICHIGAN STERLING HEIGHTS MICHIGAN	7,385 * 217 7,168
110	PHYSICS INTERNATIONAL CO SAN LEANDRO CALIFORNIA	9,886 * 9,886	127	ATLANTIC RESEARCH CORP ROME NEW YORK ALEXANDRIA VIRGINIA GAINESVILLE VIRGINIA	7,371 * 243 4,857 3,871
111	Q D M SERVICES CO FORT OPD CALIFORNIA MCLEAN VIRGINIA	9,835 * 6,894 3,541	129	SOFTTECH INC WALTHAM MASS GIFFISS AFB NEW YORK DAYTON OHIO WRIGHT PATTERS OHIO	7,248 * 5,783 211 193 1,653
112	I T T & WESTINGHOUSE JV MUTLEY NEW JERSEY	9,438 * 9,438	130	PARSONS RALPH M CO INC PASADENA CALIFORNIA	7,181 * 7,181
113	BENDIX FIELD ENGINEERING CORP COLUMBIA MARYLAND MERCURY NEVADA	9,414 * 7,882 1,612	131	CHAMBERLAIN MFG CORP WATERLOO IOWA	7,162 * 7,162
114	I T T GILFILLAN INC VAN NUYS CALIFORNIA	9,343 * 9,343	132	SPEARS ASSOCIATES INC NEWTON MASS NORWOOD MASS	7,102 * 264 6,838
115	COMMAND CONTROL & COMMUNICATION CAMP PENDLETON CALIFORNIA LOMITA CALIFORNIA TORRANCE CALIFORNIA FORT MONMOUTH NEW JERSEY	9,334 * 48 4,328 4,690 276	135	ANALYTICAL SYSTEMS ENGR CORP BEDFORD MASS BURLINGTON MASS ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	7,028 * 2,895 3,712 265 156
116	BOOZ ALLEN & HAMILTON INC SAN DIEGO CALIFORNIA WASHINGTON DC FORT WALTON BE FLORIDA BETHESDA MARYLAND HANSCOM AFB MASS NEW SMYTHSPURY NEW JERSEY APLINGTON VIRGINIA	9,158 * 59 30 57 5,692 1,497 1,690 133	137	E SYSTEMS INC ST PETERSBURG FLORIDA GREENVILLE SCAR DALLAS TEXAS GARLAND TEXAS GREENVILLE TEXAS FALLS CHURCH VIRGINIA NORFOLK VIRGINIA	6,715 * 3,472 369 98 715 617 1,432 28
117	TELFORD C & E TOLEDO OHIO	9,016 * 9,016	140	BRUNSWICK CORP COSTA MESA CALIFORNIA DE LAND FLORIDA LINCOLN NEBRASKA WHITE SANDS MS NEW MEXICO WILLARD OHIO MARION VIRGINIA	6,538 * 3,589 1,846 278 155 64 1,414
118	LOCKHEED SHIPBUILDING CONSTRUCTION SEATTLE WASHINGTON	8,881 * 8,881	141	SYSTEMS SCIENCE & SOFTWARE WAYWARD CALIFORNIA LA JOLLA CALIFORNIA SAN DIEGO CALIFORNIA ALEXANDRIA VIRGINIA RESTON VIRGINIA	6,518 * 432 4,334 1,399 246 99
119	ITEK CORP SUNNYVALE CALIFORNIA LEXINGTON MASS	8,698 * 976 7,674	142	E S & S INC NEW LONDON CONN ROCKVILLE MARYLAND SALEM MASS ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO DANLEIGH VIRGINIA	6,388 * 280 5,331 174 464 22 177
120	MAYWELL LABORATORIES INC SAN DIEGO CALIFORNIA KIRTLAND AFB NEW MEXICO	8,617 * 7,786 911			
121	CINCINNATI ELECTRONICS CORP CINCINNATI OHIO	8,923 * 8,923			

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## SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
143	CIRTISS WRIGHT CORP WOOD RIDGE NEW JERSEY	6,267 * 6,267	170	CUSIC CORP SAN DIEGO CALIFORNIA	4,418 * 4,418
144	MAGNVOY CO TORFAMPE CALIFORNIA FOOT WAYNE INDIANA PHILADELPHIA PA	6,224 * 2,328 3,881 815	171	SANDERS ASSOCS & NORTHROP CORP JV NASHUA NH	4,198 * 4,198
145	AMERICAN ELECTRONIC LABS INC FORT MONMOUTH NEW JERSEY HALL TOWNSHIP NEW JERSEY COLMAP PA LANSTALE PA MONTGOMERYVILL PA	6,864 * 34 33 165 1,671 4,161	172	EDD CORP COLLEGE POINT NEW YORK	4,130 * 4,130
146	SYSTEMS CONTROL INC PALO ALTO CALIFORNIA	S 6,815 * 6,815	173	BOOZ ALLEN APPLIED RESEARCH INC BETHESDA MARYLAND	4,128 * 4,128
147	M R S SINGAR INC WRIGHT PATTERS OHIO STATE COLLEGE PA	5,854 * 356 5,498	174	BELL HALTER INC NEW ORLEANS LOUISIANA	4,125 * 4,125
148	COMTEK RESEARCH INC WRIGHT PATTERS OHIO NORFOLK VIRGINIA	S 5,572 * 161 5,411	175	BURROUGHS COPP PAOLI PA	4,120 * 4,120
149	WROUGHTON CO VAN NUYS CALIFORNIA	5,510 * 5,510	176	ELECTROSPACE SYSTEMS INC RICHARDSON TEXAS	S 4,101 * 4,101
150	ENSCO INC INDIAN HARBOR FLORIDA ALEXANDRIA VIRGINIA SPRINGFIELD VIRGINIA	S 5,209 * 1,198 68 3,959	177	SCOTT AVIATION SIFRA PRODUCTS INC SIERRA MADRE CALIFORNIA	4,074 * 4,074
151	BOYD RESEARCH CORP SAN DIEGO CALIFORNIA SANTA ANA CALIFORNIA ANNAPOLIS MARYLAND	5,148 * 2,199 1,598 1,359	178	VEDA INC SAN DIEGO CALIFORNIA DAYTON OHIO SOUTHAMPTON PA ARLINGTON VIRGINIA	S 4,070 * 258 178 88 3,546
152	FLIGHT SYSTEMS INC MOJAVE CALIFORNIA NEWPORT BEACH CALIFORNIA WHITE SANDS MS NEW MEXICO	S 5,094 * 327 3,721 1,846	179	LITTLE ARTHUR D INC CAMBRIDGE MASS	3,910 * 3,910
153	WESTERN GRAP CORP JAMESTOWN WYOMING	5,088 * 5,088	180	T R W COLORADO ELECTRONICS INC COLORADO SPRGS COLORADO	3,902 * 3,902
154	O R I INC WASHINGTON DC SILVER SPRING MARYLAND	S 5,076 * 188 4,896	181	STEARNS ROGER INC VANDENBERG AFB CALIFORNIA	3,873 * 3,873
155	INTERSTATE ELECTRONICS ANAMETH CALIFORNIA WARMINGSTON PA	5,017 * 5,081 16	182	WHITTAKER CORP CHATSWORTH CALIFORNIA NORTH HOLLYWOOD CALIFORNIA	3,830 * 3,753 77
156	SPARTON CORP JACKSON MICHIGAN	4,819 * 4,819	183	PATTERN ANALYSIS & RECOGNITION CO PETERSEN AFB COLORADO ROME NEW YORK	S 3,772 * 154 3,618
157	ARES INC PORT CLINTON OHIO	S 4,778 * 4,778	184	KETRON INC PHILADELPHIA PA WAYNE PA ARLINGTON VIRGINIA	S 3,594 * 211 725 2,658
158	PACCAP INC RENTON WASHINGTON	4,770 * 4,770	185	SYSTEMS CONSULTANTS INC SAN DIEGO CALIFORNIA WASHINGTON DC DAYTON OHIO ARLINGTON VIRGINIA VIRGINIA BEACH VIRGINIA	3,487 * 763 2,273 378 69 12
159	VARIAN ASSOCIATES PALO ALTO CALIFORNIA	4,587 * 4,587	186	AIRESEARCH MFG CO OF ARIZONA PHOENIX ARIZONA	3,425 * 3,425
160	POYONAC RESEARCH INC WASHINGTON DC PANAMA CITY FLORIDA ALEXANDRIA VIRGINIA WILFYS CROSS VIRGINIA MELFAN VIRGINIA	S 4,545 * 174 83 47 817 3,724	187	LIBRA TECHNOLOGY ROCKVILLE MARYLAND	S 3,342 * 3,342
161			188	INTERNATIONAL LASER SYSTEMS INC ORLANDO FLORIDA KIRTLAND AFB NEW MEXICO	3,335 * 1,908 1,427
162			189	LINKABIT CORP SAN DIEGO CALIFORNIA	S 3,256 * 3,256

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S = SMALL BUSINESS

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PANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	PANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
197	ANALYTICS INC NEW SHREWSBURY WILLOW GROVE MCLEAN	NEW JERSEY PA VIRGINIA \$ 3,248 * 752 2,376 112	216	LORAL CORP SPONG YONKERS NEW YORK NEW YORK	2,767 * 948 1,819
198	VARO INC CORLANC	TEXAS 3,236 * 3,236	217	KEPOX ELECTRO OPTICAL SYSTEMS INC PASADENA	2,736 * 2,736
199	DEVELOPMENTAL SCIENCES INC CITY OF INDUST	CALIFORNIA \$ 3,229 * 3,229	218	STANFORD TELECOMMUNICATIONS INC MOUNTAIN VIEW PLEASANTON SUNNYVALE	\$ 2,729 * 12 77 2,648
200	ACUREX CORP MONROVIA MOUNTAIN VIEW DAYTON	CALIFORNIA CALIFORNIA OHIO \$ 3,185 * 158 2,076 159	220	SPACE DATA CORP PHOENIX TEMPE	\$ 2,648 * 1,157 1,483
201	LOCKHEED ELECTRONICS CO INC PLAINFIELD	NEW JERSEY 3,174 * 3,174	221	DECISIONS & DESIGNS INC MCLEAN	\$ 2,583 * 2,583
203	PACIFIC SIEPRA RESEARCH CORP SANTA MONICA FRIEDMAN WRIGHT PATTERNS	CALIFORNIA OHIO OHIO \$ 3,048 * 2,939 65 44	222	BELL & HOWELL CO PASADENA CHICAGO	2,563 * 964 1,599
204	ANALYSIS & TECHNOLOGY INC SPOTON STONINGTON VIRGINIA BEACH	CONN CONN VIRGINIA \$ 3,047 * 150 2,689 288	223	DIGITAL TECHNOLOGY INC CHAMPAIGN	\$ 2,555 * 2,555
205	STENCHEL AERO ENGINEERING CORP ARON ASHEVILLE	NCAR NCAR 2,957 * 93 2,864	226	HYDRONAUTICS INC LAUREL	\$ 2,516 * 2,516
206	EFFECTS TECHNOLOGY INC SANTA BARBARA	CALIFORNIA 2,905 * 2,905	227	O A O CORP EL SEGUNDO LOS ANGELES BELTSVILLE FORT BELVOIR	\$ 2,499 * 1,813 351 956 179
207	NICHOLS RESEARCH CORP MUNTSVILLE	ALABAMA \$ 2,882 * 2,882	229	DYNETICS INC MUNTSVILLE	\$ 2,465 * 2,465
208	SANTA BARBARA RESEARCH GOLFTA	CENTER CALIFORNIA 2,877 * 2,877	230	SCHAFER W J ASSOCIATES INC MAKFIELD	\$ 2,457 * 2,457
209	KURAS ALTEPMAN CORP FRIEDFIELD WAYNE ARLINGTON	NEW JERSEY NEW JERSEY VIRGINIA 2,845 * 232 2,533 80	234	PERCEPTIONS INC WOODLAND HILLS	\$ 2,486 * 2,486
211	MAN TECH CORP MUNTSVILLE LOS ANGELES ROCKVILL LIVINGSTON SPRINGFIELD DAYTON ALEXANDRIA ARLINGTON NORFOLK	ALABAMA CALIFORNIA MARYLAND NEW JERSEY NEW JERSEY OHIO VIRGINIA VIRGINIA VIRGINIA \$ 2,812 * 683 263 753 719 21 117 39 185 112	235	KAMAN AEROSPACE CORP BLOOMFIELD WHITE SANDS MS	CONN NEW MEXICO 2,394 * 2,329 65
212	PLANNING SYSTEMS INC MCLEAN	VIRGINIA \$ 2,811 * 2,811	236	GENERAL OFFSHORE CORP FORT LAUDERDAL KEY WEST	FLORIDA FLORIDA \$ 2,388 * 2,388 72
213	UNIDYNAMICS PHOENIX INC GOODYEAR PHOENIX	ARIZONA ARIZONA 2,887 * 2,739 68	237	MC MULLEN JOHN J ASSOCIATES INC BATH ARLINGTON	MAINE VIRGINIA 2,363 * 39 2,324
214	GUEST RESEARCH CORP MCLEAN	VIRGINIA \$ 2,882 * 2,882	239	CUMMINS ENGINE CO INC COLUMBUS	INDIANA 2,362 * 2,362
215	SYSTEMS & APPLIED SCIENCES CORP ANAHEIM MONTEFFY RIVERDALE HANSCOM AFB DAYTON WRIGHT PATTERNS	CALIFORNIA CALIFORNIA MARYLAND MASS OHIO OHIO \$ 2,783 * 1,159 58 867 977 45 85	240	ANALYSIS & COMPUTER SYSTEMS INC FGLIN AFB BEDFORD BURLINGTON	\$ 2,327 * 856 778 984
			241	B K DYNAMICS INC ROCKVILLE	MARYLAND \$ 2,322 * 2,322
			244	KONICS INC EL SEGUNDO LOS ANGELES VAN NUYS	CALIFORNIA CALIFORNIA CALIFORNIA 2,297 * 828 244 1,129

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SECTION I - U. S. BUSINESS FIRMS  
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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
246	SEDCO SYSTEMS INC FELIX AFB MELVILLE	FLORIDA NEW YORK 2,268 * 60 2,228	772	DYNAMIC SCIENCES INC FAIRFAX	VIRGINIA 1,884 * 1,884
248	I R T CORP SAN DIEGO	CALIFORNIA 2,241 * 2,241	773	PROTOTYPE DEVELOPMENT INC SANTA ANA	CALIFORNIA 1,883 * 1,883
249	ANALYTIC ELECTRONICS SYSTEMS INC VANDENBERG AFB HUDSON NASHUA	CALIFORNIA NM NM 2,171 * 78 857 1,236	775	DIGITAL COMMUNICATIONS CORP GAITHERSBURG	MARYLAND 1,857 * 1,857
251	SPEERY MARINE SYSTEMS CHARLOTTESVILLE	VIRGINIA 2,138 * 2,138	777	COMPUTER CORP OF AMERICA CAMBRIDGE	MASS 1,822 * 1,822
252	TECHNOLOGY INC DAYTON BROOKS AFB HOUSTON SAN ANTONIO	OHIO TEXAS TEXAS TEXAS 2,132 * 1,200 737 29 166	778	AUSTIN RESEARCH ASSOCIATES AUSTIN	TEXAS 1,817 * 1,817
253	PRESEARCH INC ARLINGTON	VIRGINIA 2,121 * 2,121	780	FREQUENCY ELECTRONICS INC HYDE PARK NEW HYDE PARK	NEW YORK NEW YORK 1,790 * 1,616 174
255	NETPIC SYSTEMS CORP FORT WALTON BE	FLORIDA 2,076 * 2,076	781	DELEX SYSTEMS INC VIENNA	VIRGINIA 1,783 * 1,783
256	SANGAPO WESTON INC SARASOTA	FLORIDA 2,044 * 2,044	783	FIRESTONE TIRE & RUBBER CO AKRON	OHIO 1,763 * 1,763
257	SEMCOR INC MOORESTOWN ARLINGTON	NEW JERSEY VIRGINIA 2,034 * 1,994 40	784	SYNOPTIC SYSTEMS CORP FALLS CHURCH	VIRGINIA 1,759 * 1,759
260	V S E CORP ALEXANDRIA	VIRGINIA 2,017 * 2,017	785	SUN CO INC MARCUS HOOK	PA 1,748 * 1,748
263	LITTON INDUSTRIES INC TEMPE SAN CARLOS VAN NUYS WOODLAND HILLS COLLEGE PARK PASADENA MORRIS PLAINS FALLS CHURCH MILWAUKEE	ARIZONA CALIFORNIA CALIFORNIA CALIFORNIA MARYLAND MISS NEW JERSEY VIRGINIA WISCONSIN 1,993 * 97 65 70 35 322 979 83 316 26	786	C N R INC NEEDHAM NEEDHAM HEIGHT	MASS MASS 1,734 * 618 1,116
264	ADVANCED TECHNOLOGY INC SAN DIEGO ARLINGTON MCLEAN	CALIFORNIA VIRGINIA VIRGINIA 1,961 * 88 40 1,841	787	HUGHES RESEARCH LABORATORIES MALIBU	CALIFORNIA 1,729 * 1,729
265	CORNING GLASS WORKS CANTON CORNING	NEW YORK NEW YORK 1,941 * 1,521 428	788	AERONAUTICAL RESEARCH ASSOCIATES PORT REPUBLIC PRINCETON	NEW JERSEY NEW JERSEY 1,725 * 161 1,564
268	YETRA TECH INC PASADENA SAN DIEGO ARLINGTON	CALIFORNIA CALIFORNIA VIRGINIA 1,928 * 1,456 127 327	789	EASTMAN KODAK CO ROCHESTER	NEW YORK 1,724 * 1,724
269	INTERMETRICS INC LONG BEACH CAMBRIDGE WRIGHT PATTERS WRIGHT PATTERS	CALIFORNIA MASS MASS MASS 1,907 * 968 762 147 38	790	PIASECKI AIRCRAFT CORP PHILADELPHIA	PA 1,720 * 1,720
270	J W K INTERNATIONAL CORP ANNAPOLIS	VIRGINIA 1,894 * 1,894	794	ULTRASYSTEMS INC IRVINE MORTON AFB	CALIFORNIA CALIFORNIA 1,660 * 1,860 680
			795	CADRE CORP DORAVILLE	GEORGIA 1,651 * 1,651
			797	D B A SYSTEMS INC MELBOURNE	FLORIDA 1,625 * 1,625
			798	BETAC CORP ARLINGTON	VIRGINIA 1,623 * 1,623
			798	C T E C FALLS CHURCH	VIRGINIA 1,606 * 1,606
			792	RAYTHEON SERVICE CO WRIGHT PATTERS ARLINGTON	OHIO VIRGINIA 1,597 * 614 983
			793	ATLANTIC ANALYSIS CORP NORFOLK	VIRGINIA 1,583 * 1,583

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PANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	PANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
305	GENERAL DEFENSE CORP WAPTON RFD LTON NEW JERSEY PA	1,581 * 986 595	335	SYSTEMS ENGINEERING LABORATORIES WILLIAMS AFB ARIZONA	1,384 * 1,384
308	PACER SYSTEMS INC BURLINGTON MASS PORT WASHINGTON PA	S 1,570 * 145 1,385	337	TECHNITROL INC PHILADELPHIA PA	1,356 * 1,356
309	SYNECTICS CORP 404F FAIRFAX NEW YORK VIRGINIA	S 1,568 * 189 1,379	338	ARETE ASSOCIATES INC SANTA MONICA CALIFORNIA	S 1,355 * 1,355
310	INTERNATIONAL HARVESTER CO SAN DIEGO CALIFORNIA	1,567 * 1,567	339	OCEAN DATA SYSTEMS INC MONTEPEY CALIFORNIA SAN DIEGO CALIFORNIA ROCKVILLE MARYLAND	S 1,348 * 36 28 1,276
311	WAGNER DANIEL M ASSOCIATES INC PAOLI PA	S 1,566 * 1,566	340	EDUCATIONAL COMPUTER CORP ORLANDO FLORIDA	S 1,339 * 1,339
312	DOVY ASSOCIATES ROCKVILLE MARYLAND	S 1,556 * 1,556	341	DYNAMICS RESEARCH CORP WILMINGTON MASS	1,324 * 1,324
313	WEIDINGER ASSOCIATES CONSULT ENGR MENLO PARK CALIFORNIA NEW YORK NEW YORK	S 1,537 * 228 1,317	342	APPLICON INC BURLINGTON MASS	S 1,312 * 1,312
314	AEROMPT INC TULSA OKLAHOMA	S 1,515 * 1,515	344	TELEOVNE INC NORTHBRIDGE CALIFORNIA SAN DIEGO CALIFORNIA TOLEDO OHIO GARLAND TEXAS	1,284 * 252 386 549 177
315	ESSEX CORP FORT RUCKER ALABAMA SAN DIEGO CALIFORNIA WHITE SANDS MS NEW MEXICO ALEXANDRIA VIRGINIA	S 1,511 * 31 123 130 1,227	347	ADVANCED RESEARCH & APPL CORP SUNNYVALE CALIFORNIA	S 1,278 * 1,278
316	SUMMIT RESEARCH CORP GAITHERSBURG MARYLAND	S 1,507 * 1,507	348	STEIN ASSOCIATES INC WALTHAM MASS	1,272 * 1,272
318	TELEPHONICS HUNTINGTON NEW YORK	1,503 * 1,503	350	KEYSTONE COMPUTER ASSOCS INC FORT WASHINGTON PA WARMINSTER PA	S 1,264 * 685 579
320	AERODYNE RESEARCH INC REDFORD MASS	S 1,495 * 1,495	351	COMTAL CORP ARCADIA CALIFORNIA PASADENA CALIFORNIA	S 1,256 * 15 1,241
321	KARAGIAN & CASE STRUCTURAL ENGRS LOS ANGELES CALIFORNIA	S 1,493 * 1,493	352	APPLIED SCIENCE ASSOCIATES INC APEX NCAR VALENCIA PA FORT BLISS TEXAS	S 1,237 * 75 673 489
322	KERACO INC DENVER MASS	S 1,491 * 1,491	353	OCTEK INC BURLINGTON MASS	S 1,235 * 1,235
324	SYSTEMATICS GENERAL CORP WARMINSTER PA FALLS CHURCH VIRGINIA	S 1,469 * 30 1,439	354	CONDEC CORP OLD GREENWICH CONN	1,232 * 1,232
325	ROSEBERRY M SON INC NEW YORK NEW YORK ARLINGTON VIRGINIA	S 1,462 * 157 1,385	355	MATHEMATICAL SCIENCE NORTHWEST INC BELLEVUE WASHINGTON	S 1,232 * 1,232
327	RALSTON PURINA CO ST LOUIS MISSOURI	1,422 * 1,422	356	SOLAR TURBINES INTERNATIONAL SAN DIEGO CALIFORNIA	1,228 * 1,228
329	PHYSICAL SCIENCES CORP WAKEFIELD MASS WOBURN MASS	S 1,405 * 749 656	357	RESEARCH ANALYSIS & MANAGEMENT ROCKVILLE MARYLAND	S 1,215 * 1,215
332	K B I PRECISION PRODUCTS INC CINCINNATI OHIO	1,388 * 1,388	359	MYCOR INC WOBURN MASS	S 1,209 * 1,209
334	RAYCON INDUSTRIES INC FORT MONMOUTH NEW JERSEY	S 1,385 * 1,385	361	DEMELCOR INC DENVER COLORADO	S 1,204 * 1,204
			362	A L S ELECTRONICS CORP ANAHEIM CALIFORNIA	S 1,200 * 1,200

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## SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
363	POMERONIC SYSTEMS INC NEW ORLEANS LOUISIANA	\$ 1,288 * 1,288	385	J R B ASSOCIATES INC MCLEAN VIRGINIA	1,085 * 1,085
364	FALCON RESEARCH & DEVELOPMENT CO DENVER COLORADO	1,198 * 61	387	VALIDITY CORP SAN DIEGO CALIFORNIA	1,073 * 366
	ENGLWOOD COLORADO	288		GELTENHAM MARYLAND	213
	BALTIMORE MARYLAND	961		ELINTON MARYLAND	494
	TOWSON MARYLAND	73	389	MEASUREMENT CONCEPT CORP ROME NEW YORK	\$ 1,066 * 1,066
	ALBUQUEPQUE NEW MEXICO	97-	392	FOSTER MILLER ASSOCIATES INC WALTHAM MASS	\$ 1,054 * 1,054
365	XEROX CORP PALO ALTO CALIFORNIA	1,197 * 166	393	ARGO SYSTEMS INC PALO ALTO CALIFORNIA	\$ 1,050 * 381
	PASADENA CALIFORNIA	949		SUNNYVALE CALIFORNIA	669
	WESTER NEW YORK	62	394	APPLICATIONS RESEARCH CORP DAYTON OHIO	\$ 1,049 * 1,049
366	HORIZONS TECHNOLOGY INC SAN DIEGO CALIFORNIA	\$ 1,185 * 1,185	395	CALCULON CORP PHILADELPHIA PA	\$ 1,046 * 125
367	WAP INC ROCKVILLE MARYLAND	\$ 1,169 * 1,168		ARLINGTON VIRGINIA	921
368	SPECTRA RESEARCH SYSTEMS INC MINTSVILLE ALABAMA	\$ 1,161 * 186	396	PNEUMO CORP KALAMAZOO MICHIGAN	1,045 * 1,045
	IRVINE CALIFORNIA	1,855	397	SIGNATRON INC LEXINGTON MASS	\$ 1,042 * 1,042
369	QUESTON CORP EL SEGUNDO CALIFORNIA	\$ 1,157 * 991	398	UNIVPSAL ENERGY SYSTEMS INC DAYTON OHIO	\$ 1,041 * 882
	SAN DIEGO CALIFORNIA	166		WRIGHT PATTERNS OHIO	159
370	OFFISION SCIENCE APPLICATIONS INC ARLINGTON VIRGINIA	\$ 1,152 * 1,152	400	ADVANCED MARINE ENTERPRISES INC ARLINGTON VIRGINIA	\$ 1,037 * 1,037
371	SONALYSTS INC WATFORD CONN	\$ 1,148 * 1,148	401	SIMULATION TECHNOLOGY INC DAYTON OHIO	\$ 1,012 * 1,012
372	PYRER MATERIALS INC BIODEFORD MAINE	\$ 1,140 * 1,140	402	P E SYSTEMS INC SAN DIEGO CALIFORNIA	\$ 1,005 * 266
373	CACI INC FEDERAL ARLINGTON VIRGINIA	\$ 1,135 * 1,135		ALEXANDRIA VIRGINIA	739
374	AUERBACH ASSOCIATES INC ARLINGTON VIRGINIA	\$ 1,125 * 1,125	404	BRINCON CORP LA JOLLA CALIFORNIA	\$ 998 * 998
375	UNIFIED INDUSTRIES INC ALEXANDRIA VIRGINIA	\$ 1,124 * 1,124	407	AMEY CORP REDWOOD CITY CALIFORNIA	976 * 976
376	HOWARD SECURITY SERVICES INC WORMINGTOWN PA	\$ 1,121 * 1,121	408	BAIL BROS RESEARCH CORP BOULDER COLORADO	973 * 973
379	GENERAL ATOMICS CORP PHILADELPHIA PA	1,106 * 1,106	409	AUTOMETRIC CORP ARLINGTON VIRGINIA	\$ 967 * 438
380	NEPSON GROUP SAN DIEGO CALIFORNIA	\$ 1,106 * 1,106		FALLS CHURCH VIRGINIA	529
381	ROME RESEARCH CORP GRIFFISS AFB NEW YORK	\$ 1,097 * 746	411	VISIOTNE INC BURLINGTON MASS	\$ 956 * 956
	ORRME NEW YORK	351	412	BIRKWOOD INDUSTRIES INC WESTWOOD CALIFORNIA	\$ 950 * 146
382	DATAMETRICS CORP VAN NUYS CALIFORNIA	\$ 1,090 * 1,090		ALBUQUEPQUE NEW MEXICO	24
383	H & S COMPUTING INC MINTSVILLE ALABAMA	\$ 1,087 * 522		KIRTLAND AFB NEW MEXICO	788
	MADISON ALABAMA	985	413	POSEIDON RESEARCH LOS ANGELES CALIFORNIA	\$ 949 * 385
384	KENAMETAL INC LAVONNE PA	1,086 * 1,086		SHERMAN OAKS CALIFORNIA	644

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
\$ = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS  
FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
414	ORLANDO TECHNOLOGY INC ORLANDO FLORIDA SMALTMAP FLORIDA	S 941 * 790 161	439	VERAC INC SAN DIEGO CALIFORNIA	S 805 * 805
415	JAMES DYER GRAPHICS INC SOUTH MAULEY MASS	936 * 936	440	GRUMMAN CORP BFTMPAGE NEW YORK	880 * 880
416	GEOGNOMICS CORP SANTA BARBARA CALIFORNIA	S 933 * 933	441	TRACOR MARINE INC VIRGIN IS	798 * 798
417	SPACE VECTOR CORP WORTHBRIDGE CALIFORNIA	S 924 * 924	442	DYNATEND INC BURLINGTON MASS MOBURN MASS NORFOLK VIRGINIA	S 797 * 218 425 154
418	M P J INC FAIRFAX VIRGINIA WELFAN VIRGINIA	S 919 * 649 270	443	CHALCO ENGINEERING CORP EDWARDS AFB CALIFORNIA	S 795 * 795
420	SYSTEMS PLANNING & ANALYSIS INC ARLINGTON VIRGINIA FELLS CHURCH VIRGINIA	S 916 * 505 411	444	NETWORK ANALYSIS CORP GREAT NECK NEW YORK	794 * 794
422	GAGLIARDI SYSTEMS GROUP INC SALEM NH	S 904 * 904	445	BRADFORD NATIONAL CORP SAN DIEGO CALIFORNIA ROCKVILLE MARYLAND NEW YORK NEW YORK	792 * 55 531 206
423	PACIFIC ANALYSIS CORP HONOLULU CITY HAWAII	S 902 * 902	446	HEWLETT PACKARD CO PALO ALTO CALIFORNIA BALTIMORE MARYLAND HANOVER MARYLAND ROCKVILLE MARYLAND MCMINNVILLE OREGON KING OF PRUSS PA	791 * 180 484 22 158 17 10
424	OCEAN TECHNOLOGY INC BURBANK CALIFORNIA SAN DIEGO CALIFORNIA	901 * 901 400	447	E I G INC NENTON MASS	S 789 * 789
425	PACIFIC TECHNOLOGY DEL MAR CALIFORNIA SAN DIEGO CALIFORNIA	S 901 * 828 73	449	HEAD TECHNOLOGY LABORATORIES DAYTON OHIO WRIGHT PATTERS OHIO	789 * 421 368
427	DONALDSON CO INC MINNEAPOLIS MINNESOTA	859 * 859	450	TITANIUM METALS CORP OF AMERICA HENDERSON NEVADA	S 789 * 789
429	APPLIED DATA RESEARCH INC FORT MONMOUTH NEW JERSEY VIENNA VIRGINIA	S 844 * 13 831	453	PHOTON RESEARCH ASSOCIATES LA JOLLA CALIFORNIA	S 785 * 785
430	FEDERAL ELECTRIC CORP EDWARDS AFB CALIFORNIA GRIFFISS AFB NEW YORK	839 * 818 21	454	HAYES INTERNATIONAL CORP BIRMINGHAM ALABAMA	783 * 783
431	GAERTNER RESEARCH INC STAMFORD CONN	S 837 * 837	455	SCIENTIFIC SYSTEMS INC CAMBRIDGE MASS LEXINGTON MASS	S 781 * 599 182
432	ASHLAND OIL INC ASHLAND KENTUCKY DURLIN OHIO	827 * 765 62	456	RANCOR INC MCLEAN VIRGINIA VIENNA VIRGINIA	S 773 * 393 380
433	SEVILLE RESEARCH CORP PENSACOLA FLORIDA	S 817 * 817	457	DAYRON CORP ORLANDO FLORIDA	S 770 * 770
434	NIELSEN ENGINEERING & RESEARCH CO MOUNTAIN VIEW CALIFORNIA	S 816 * 816	458	MECHANICAL TECHNOLOGY INC HYDE PARK NEW YORK LATHAM NEW YORK FAIRFAX VIRGINIA	766 * 26 725 15
435	CALIFORNIA RESEARCH & TECHNOLOGY WOODLAND HILLS CALIFORNIA	S 809 * 809	459	DEFENSE SYSTEMS INC ARLINGTON VIRGINIA	S 765 * 765
436	DUPONT P I DE MEMOURS & CO WILMINGTON DELAWARE	808 * 808	460	NEW TECHNOLOGY INC MUNTSVILLE ALABAMA	S 765 * 765
437	INFORMATION SPECTRUM INC CHERRY HILL NEW JERSEY WARRINSTON PA ARLINGTON VIRGINIA	S 808 * 947 95 166			

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S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS  
FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
461	DATA DESIGN LABORATORIES CUCAMONGA CALIFORNIA SAN DIEGO CALIFORNIA	760 * 420 340	489	HYDROSCIENCE INC FORT LAUDERDALE FLORIDA DALLAS TEXAS	682 * 95 987
466	RAIL CO INC BOLTIMORE MARYLAND ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	\$ 752 * 6- 789 49	490	MELIX TECHNOLOGY CORP CAMBRIDGE MASS WALTHAM MASS	681 * 264 417
469	DIGITAL EQUIPMENT CORP CHAMPAIGN ILLINOIS WESTMINSTER MASS FORT MONMOUTH NEW JERSEY	746 * 632 10 184	491	CARTWRIGHT ENGINEERING INC FULLERTON CALIFORNIA	\$ 677 * 677
470	GIBBS & FOX INC NEW YORK NEW YORK ARLINGTON VIRGINIA	741 * 75 666	492	ANALYTICAL ASSESSMENTS CORP MARINA DEL REY CALIFORNIA ARLINGTON VIRGINIA	\$ 675 * 607 68
471	FIRST ANN APPOR CORP CULVER CITY CALIFORNIA ANN ARBOR MICHIGAN	\$ 739 * 973 166	494	WESTERN UNION TELEGRAPH CO MCLEAN VIRGINIA	669 * 669
472	INTERNATIONAL COMPUTER CO BETHESDA MARYLAND DAYTON OHIO	\$ 735 * 24 711	495	KAPPA SYSTEMS INC ARLINGTON VIRGINIA	\$ 667 * 667
473	ARMAMENT SYSTEMS INC BNAHEIN CALIFORNIA FORT WALTON BE FLORIDA	\$ 731 * 607 124	496	BELL TECHNICAL OPERATIONS CORP SIERRA VISTA ARIZONA	666 * 666
474	WETCUT RESEARCH ASSOCIATES INC CINCINNATI OHIO WRIGHT PATTERS OHIO	\$ 730 * 354 376	498	NINE SAFETY APPLIANCES CO EVANS CITY PA MURRYSVILLE PA	666 * 566 100
475	PROPE SYSTEMS INC SUNNYVALE CALIFORNIA	\$ 730 * 730	499	ANDRULIS RESEARCH CORP BETHESDA MARYLAND	\$ 665 * 665
476	MARSCO CORP YORK PA	729 * 729	500	ASSURANCE TECHNOLOGY CORP CARLISLE MASS	\$ 658 * 658
477	U O P INC DES PLAINES ILLINOIS	727 * 727			8,090,593
478	GENERAL PHYSICS CORP COLUMBIA MARYLAND	718 * 718			
479	SPIPE CORP PEDFORD MASS	\$ 712 * 712			
480	RADIAN INC ALEXANDRIA VIRGINIA	\$ 710 * 710			
481	TELCON SYSTEMS INC FULLERTON CALIFORNIA ARLINGTON VIRGINIA	707 * 175 932			
482	L T V CORP DALLAS TEXAS	706 * 706			
484	SIGNAL SCIENCE INC SANTA CLARA CALIFORNIA	\$ 695 * 695			
485	SYSTEMS ARCHITECTS INC RANDOLPH MASS	\$ 692 * 692			
486	PHYSICAL DYNAMICS INC LA JOLLA CALIFORNIA	\$ 688 * 688			
487	ASSOCIATE CONSULTANTS INC WASHINGTON DC	\$ 685 * 685			

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
\$ = SMALL BUSINESS

**SECTION II**

**NONPROFIT INSTITUTIONS (INCLUDING EDUCATIONAL)**

## SECTION II - NON-PROFIT INSTITUTIONS

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FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
12	JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND SCAGGSVILLE MARYLAND SILVER SPRING MARYLAND	163,327 * 858 162,454 15	88	GEORGIA TECH RESEARCH INSTITUTE ATLANTA GEORGIA	14,758 * 14,758
13	AEROSPACE CORP EL SEGUNDO CALIFORNIA	168,394 * 168,394	84	DAYTON UNIVERSITY OF EDWARDS AFB CALIFORNIA KIRTLAND AFB NEW MEXICO DAYTON OHIO WRIGHT PATTERS OHIO	13,859 * 331 3,242 5,968 4,298
15	MASSACHUSETTS INSTITUTE TECHNOLOGY CAMBRIDGE MASS LEWINGTON MASS	154,564 * 25,315 129,249	95	PENNSYLVANIA STATE UNIVERSITY STATE COLLEGE PA UNIVERSITY PARK PA	12,226 * 625 11,601
21	MITRE CORP BEDFORD GREECE MCLEAN VIRGINIA	118,330 * 896 189,258 176	101	BATTELL MEMORIAL INSTITUTE MUNTSVILLE ALABAMA REDSTONE ARSEN ALABAMA SAN DIEGO CALIFORNIA WASHINGTON DC ATLANTA GEORGIA FORT GILLEN GEORGIA FORT GORDON GEORGIA FORT BEN HARRIS INDIANA FORT KNOX KENTUCKY ASERDEEN PROV MARYLAND ADELPHI MARYLAND FORT DETRICK MARYLAND FREDERICK MARYLAND NATICK MASS WATERTOWN MASS DOVER NEW JERSEY FORT MONMOUTH NEW JERSEY WHITE SANDS MS NEW MEXICO ROME NEW YORK DURHAM NCAR RESEARCH TRIAN NCAR COLUMBUS OHIO WRIGHT PATTERS OHIO FORT BELVOIR VIRGINIA FORT EUSTIS VIRGINIA FORT LEE VIRGINIA FORT MONROE VIRGINIA RICHLAND WASHINGTON	11,354 * 162 483 59 120 36 38 18 38 28 558 14 55 40 13 22 317 161 332 18 221 13 7,581 30 42 27 20 289 715
34	CHARLES STARK DRAPER LABS INC CAMBRIDGE MASS	57,432 * 57,432	106	SOUTHERN CALIFORNIA UNIVERSITY OF LOS ANGELES CALIFORNIA MARINA DEL REY CALIFORNIA	16,260 \$ 10,170 90
47	CALIFORNIA UNIVERSITY OF BERKELEY CALIFORNIA DAVIS CALIFORNIA IRVINE CALIFORNIA LA JOLLA CALIFORNIA LOS ANGELES CALIFORNIA RIVERSIDE CALIFORNIA SAN DIEGO CALIFORNIA SAN FRANCISCO CALIFORNIA SANTA BARBARA CALIFORNIA SANTA CRUZ CALIFORNIA SEVULVEDA CALIFORNIA WRIGHT PATTERS OHIO	29,679 * 7,264 164 1,980 9,895 3,933 238 1,588 330 1,617 185 56 3,205	108	WASHINGTON UNIVERSITY OF SEATTLE WASHINGTON	16,869 \$ 10,869
49	S & I INTERNATIONAL MENLO PARK CALIFORNIA MOFFETT FIELD CALIFORNIA SAN FRANCISCO CALIFORNIA ARLINGTON VIRGINIA	28,384 * 27,924 85 98 277	124	ALASKA UNIVERSITY OF FAIRBANKS CITY ALASKA	8,119 \$ 8,119
54	ILLINOIS INSTITUTE TECHNOLOGY CHICAGO ILLINOIS ANNAPOLIS MARYLAND GRIFFISS AFB NEW YORK ROME NEW YORK WRIGHT PATTERS OHIO	26,319 * 4,690 28,079 261 1,137 152	125	WOODS HOLE OCEANOGRAPHIC INST WOODS HOLE MASS	8,681 \$ 8,681
62	RAND CORP SANTA MONICA CALIFORNIA	18,834 * 18,834	128	CARNEGIE MELLON UNIVERSITY PITTSBURGH PA	7,335 \$ 7,335
65	STANFORD UNIVERSITY MENLO PARK CALIFORNIA PALO ALTO CALIFORNIA STANFORD CALIFORNIA	18,068 * 50 238 17,780	134	SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO TEXAS	7,830 \$ 7,830
74	TEXAS UNIVERSITY OF ARLINGTON TEXAS AUSTIN TEXAS DALLAS TEXAS EL PASO TEXAS GALVESTON TEXAS HOUSTON TEXAS RYCHARDSON TEXAS SAN ANTONIO TEXAS	15,772 * 95 14,420 188 188 257 52 538 58	136	ILLINOIS UNIVERSITY OF CHAMPAIGN ILLINOIS CHICAGO ILLINOIS URBANA ILLINOIS	6,797 \$ 315 1,846 5,436
75	POCHESTER UNIVERSITY OF POCHESTER NEW YORK ARLINGTON VIRGINIA	15,488 * 3,554 11,926	138	ANALYTIC SERVICES INC WRIGHT PATTERS OHIO WILLOW GROVE PA ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	8,591 \$ 493 58 5,998 58
78	INSTITUTE FOR DEFENSE ANALYSIS ARLINGTON VIRGINIA	14,864 * 14,864			

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

## SECTION II - NON-PROFIT INSTITUTIONS

FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
149	ENVIRONMENTAL RESCH INST OF MICH ANN ARBOR MICHIGAN	5,922 * 5,922	224	OHIO STATE UNIV RESLACH FOUNDATION COLUMBUS OHIO	2,545 * 2,545
151	NEW MEXICO UNIVERSITY OF ALBUQUERQUE NEW MEXICO KITTLAND AFB NEW MEXICO LAS CRUCES NEW MEXICO	5,472 * 384 5,858 30	225	CASE WESTERN RESERVE UNIVERSITY CLEVELAND OHIO	2,521 * 2,521
152	CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA CALIFORNIA	5,478 * 5,424	228	TEXAS A & M RESEARCH FOUNDATION SAVANNAH GEORGIA COLLEGE STATIO TEXAS	2,496 * 180 2,396
160	HARVARD UNIVERSITY BEDFORD MASS BOSTON MASS CAMBRIDGE MASS	4,982 * 60 97 4,745	231	HUMAN RESOURCES RESEARCH ORGN ALEXANDRIA GERMANY VIRGINIA	2,425 * 615 1,810
161	PENNSYLVANIA UNIVERSITY OF WASHINGTON DC PHILADELPHIA PA	4,980 * 170 4,738	232	BOSTON COLLEGE CHESTNUT HILL MASS HANSCOM AFB MASS MENTON MASS WESTON MASS	2,413 * 1,758 327 114 214
162	COLUMBIA UNIVERSITY NEW YORK NEW YORK PALISADES NEW YORK	4,848 * 4,718 130	233	NORTHWESTERN UNIVERSITY CHICAGO ILLINOIS EVANSTON ILLINOIS	2,408 * 83 2,325
168	UTAH STATE UNIVERSITY LOGAN UTAH	4,511 * 4,511	238	OREGON STATE UNIVERSITY CORVALLIS OREGON	2,363 * 2,363
169	MARYLAND UNIVERSITY OF BALTIMORE MARYLAND CAMBRIDGE MARYLAND COLLEGE PARK MARYLAND	4,419 * 546 36 3,837	242	COLORADO STATE UNIVERSITY FORT COLLINS COLORADO	2,312 * 2,312
182	GEORGIA INSTITUTE TECH PANAMA CITY FLORIDA ATLANTA GEORGIA	3,833 * 181 3,732	243	MICHIGAN UNIVERSITY OF ANN ARBOR MICHIGAN	2,312 * 2,312
184	ARIZONA UNIVERSITY OF TUCSON ARIZONA	3,785 * 3,785	247	PRINCETON UNIVERSITY PRINCETON NEW JERSEY	2,263 * 2,263
186	YALE UNIVERSITY NEW HAVEN CONN	3,616 * 3,616	250	MIAMI UNIVERSITY OF CORAL GABLES FLORIDA MIAMI FLORIDA	2,141 * 1,919 222
188	NEW MEXICO STATE UNIVERSITY TUMA ARIZONA LAS CRUCES NEW MEXICO WHITE SANDS MS NEW MEXICO	3,492 * 28 2,555 989	254	NEW YORK POLYTECHNIC INSTITUTE BROOKLYN NEW YORK NEW YORK NEW YORK	2,188 * 1,976 132
190	WISCONSIN UNIVERSITY OF MADISON WISCONSIN MILWAUKEE WISCONSIN PLATTEVILLE WISCONSIN	3,452 * 3,387 35 30	258	WENTWORTH INSTITUTE BOSTON MASS	2,030 * 2,030
192	CORNELL UNIVERSITY ITHACA NEW YORK NEW YORK NEW YORK	3,343 * 3,078 265	259	NEW MEXICO INSTITUTE MINING & TECH SOCORRO NEW MEXICO	2,028 * 2,028
195	LOGISTICS MANAGEMENT INSTITUTE WASHINGTON DC	3,289 * 3,289	262	PITTSBURGH UNIVERSITY OF PITTSBURGH PA	2,003 * 2,003
202	RIVERSIDE RESEARCH INSTITUTE NEW YORK NEW YORK ARLINGTON VIRGINIA	3,167 * 2,935 232	266	OKLAHOMA STATE UNIVERSITY OF EGLIN AFB FLORIDA STILLWATER OKLAHOMA	1,923 * 1,895 828
210	HAWAII UNIVERSITY OF HONOLULU CITY HAWAII PEARL HARBOR HAWAII	2,872 * 2,761 71	267	NEW YORK STATE UNIV RESEARCH FOUND ALBANY NEW YORK BUFFALO NEW YORK STONY BROOK NEW YORK	1,922 * 1,688 181 221
219	GEORGE WASHINGTON UNIVERSITY WASHINGTON DC	2,688 * 2,688	271	VIRGINIA POLYTECHNIC INSTITUTE BLACKSBURG VIRGINIA	1,887 * 1,887
			274	BOSTON UNIVERSITY BOSTON MASS	1,868 * 1,868
			276	GEORGETOWN UNIVERSITY WASHINGTON DC	1,825 * 1,825

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## SECTION II - NON-PROFIT INSTITUTIONS

FISCAL YEAR 1980.

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
282	SYRACUSE UNIVERSITY SYRACUSE NEW YORK	1,774 188 1,964	354	VIRGINIA UNIVERSITY OF CHARLOTTESVILLE VIRGINIA	1,210 1,210
291	LEHIGH UNIVERSITY PETTENDEN PA	1,781 1,781	368	UTAH UNIVERSITY OF DUGWAY SALT LAKE CITY UTAH	1,285 34 1,171
293	STEVENS INSTITUTE OF TECHNOLOGY HOBOKEN NEW JERSEY	1,662 1,662	377	MISSOURI UNIVERSITY OF COLUMBIA KANSAS CITY MISSOURI	1,110 861 73
296	SYRACUSE UNIVERSITY RESEARCH CORP SYRACUSE NEW YORK	1,644 1,644		ROLLA MISSOURI	104
299	DUNE UNIVERSITY DURHAM NCAR	1,612 1,612	378	SOUTHERN RESEARCH INSTITUTE BIRMINGHAM ALABAMA	1,111 1,111
301	SOUTHEASTERN CTR ELECT ENGR EDUC BIRMINGHAM ALABAMA	1,601 320	386	LOUISIANA STATE UNIVERSITY OF BATON ROUGE LOUISIANA	1,078 946
	OPLANDO FLORIDA	1,241		NEW ORLEANS LOUISIANA	132
	ST CLOUD FLORIDA	48	388	WASHINGTON UNIVERSITY ST LOUIS MISSOURI	1,067 1,067
304	CAPITOL RADIO ENGINEERING INST INC SILVER SPRING MARYLAND	1,582 1,582	398	RHODE ISLAND UNIVERSITY OF KINGSTON RI	1,059 1,059
306	TENNESSEE UNIVERSITY OF KNOXVILLE TENNESSEE	1,561 1,265	391	PALISADES INSTITUTE NEW YORK NEW YORK	1,057 1,057
	MEMPHIS TENNESSEE	42			
	TULLAHOMA TENNESSEE	274	399	TEXAS TECHNOLOGICAL COLLEGE LUBBOCK TEXAS	1,030 1,030
307	SALK INSTITUTE THE SWIFTWATER PA	1,577 1,577	403	WASHINGTON BOOKER T FOUNDATION WASHINGTON DC	996 996
317	FLORIDA UNIVERSITY GAINESVILLE FLORIDA	1,583 1,583	405	IOWA UNIVERSITY OF AMES IOWA CITY IOWA	984 101 883
319	RENSSELAER POLYTECHNIC INSTITUTE TROV NEW YORK	1,499 1,499	410	AMERICAN INSTITUTE FOR RESEARCH PALO ALTO WASHINGTON CALIFORNIA	963 22 810
323	MASSACHUSETTS UNIVERSITY OF AMHERST MASS	1,491 1,361		NEEDFORD MASS	131
	NORCESTER MASS	130	419	BROWN UNIVERSITY PROVIDENCE RI	916 916
326	NEW YORK UNIVERSITY NEW YORK NEW YORK	1,432 1,432	421	SYRACUSE RESEARCH CORP SYRACUSE NEW YORK	912 912
330	COLORADO UNIVERSITY BOULDER COLORADO	1,396 1,275	426	DENVER UNIVERSITY OF DENVER COLORADO	885 885
	DENVER COLORADO	121	428	RESEARCH TRIANGLE INSTITUTE RESEARCH TRIAN NCAR	859 859
331	FLORIDA STATE UNIVERSITY GAINESVILLE FLORIDA	1,369 171	438	OHIO STATE UNIVERSITY THE COLUMBUS OHIO	886 886
	TALLAHASSEE FLORIDA	1,210	448	HOUSTON UNIVERSITY OF HOUSTON TEXAS	789 789
333	PURDUE RESEARCH FOUNDATION LAFAYETTE INDIANA	1,387 344	451	ALABAMA UNIVERSITY OF BIRMINGHAM ALABAMA	785 167
	WEST LAFAYETTE INDIANA	1,043		MUNTSVILLE ALABAMA	420
343	MINNESOTA UNIVERSITY OF WINNAPOLIS MINNESOTA	1,380 695		UNIVERSITY ALABAMA	198
	ST PAUL MINNESOTA	685	452	NORTH CAROLINA UNIVERSITY OF CHAPEL HILL NCAR	785 725
345	PALISADES GEOPHYSICAL INSTITUTE BLAUVELT NEW YORK	1,283 124		WILMINGTON NCAR	68
	WEST NYACK NEW YORK	1,159			
346	NORTHEASTERN UNIVERSITY BOSTON MASS	1,281 1,281			
349	NATIONAL ENCL SOVIET F EUROPE RECH CAMBRIDGE MASS	1,270 1,270			

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## SECTION II - NON-PROFIT INSTITUTIONS

FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
462	FLORIDA TECHNOLOGICAL UNIVERSITY ORLANDO FLORIDA	759 *			
463	INDIANA UNIVERSITY BLOOMINGTON INDIANA INDIANAPOLIS INDIANA	754 * 966 188			
464	MIDWEST RESEARCH INSTITUTE KANSAS CITY MISSOURI	754 * 754			
465	MICHIGAN STATE UNIVERSITY EAST LANSING MICHIGAN	753 * 753			
467	DREXEL UNIVERSITY PHILADELPHIA PA	750 * 750			
468	CATHOLIC UNIVERSITY OF AMERICA WASHINGTON DC	746 * 746			
469	NORTH CAROLINA STATE UNIVERSITY CHAPEL HILL NCAR RALEIGH NCAR	697 * 58 639			
488	SOUTH CAROLINA UNIVERSITY OF COLUMBIA SCAR	683 * 683			
493	MICHIGAN TECHNOLOGICAL UNIVERSITY HOUGHTON MICHIGAN	675 * 675			
497	CONNECTICUT UNIVERSITY OF FARMINGTON CONN STORRS CONN	666 * 79 587			
		1,104,833			

- \* MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**SECTION III**

**FOREIGN CONTRACTORS**

## SECTION III - FOREIGN CONTRACTORS

FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
89	CANADIAN COMMERCIAL CORP CANADA	13,171 *			
		13,171			
133	MACCONI CO LTD UN KINGDOM	7,072 *			
		7,072			
159	ROYAL NORWEGIAN NAV MAT COM NORWAY	4,915 *			
		4,915			
261	REDIFON FLIGHT SIMULATION LTD UN KINGDOM	2,007 *			
	CASTLE AFB CALIFORNIA	1,662			
		345			
279	BROWN BOVERI CORP GERMANY	1,010 *			
		1,010			
320	ROYAL NORWEGIAN CNCL SCNTFC IND RS NORWAY	1,410 *			
		1,410			
336	NATPA CO FRANCE	1,359 *			
		1,359			
		31,744			

- \* WITHIN AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**SECTION IV**

**U.S. GOVERNMENT AGENCIES**

## SECTION IV - U. S. GOVERNMENT AGENCIES

FISCAL YEAR 1980

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
77	UNITED STATES NATL AERO SPACE AGV WINGELBY NVA	14,991 *			
		14,991			
139	NATIONAL ACADEMY OF SCIENCES WASHINGTON DC	6,598 *			
	WHITE SANDS NS NEW MEXICO	6,452			
		128			
245	UNITED STATES COMMERCE DEPT BOULDER COLORADO	2,292 *			
	WASHINGTON DC	515			
	GAITHERSBURG MARYLAND	1,555			
	POCKVILLE MARYLAND	86			
	NORMAN OKLAHOMA	50			
	SEATTLE WASHINGTON	21			
		65			
292	NATIONAL SCIENCE FOUNDATION WASHINGTON DC	1,694 *			
		1,694			
486	SMITHSONIAN INSTITUTION WASHINGTON DC	977 *			
	CAMBRIDGE MASS	429			
		548			
		26,534			

\* = WINNER AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**ND**